

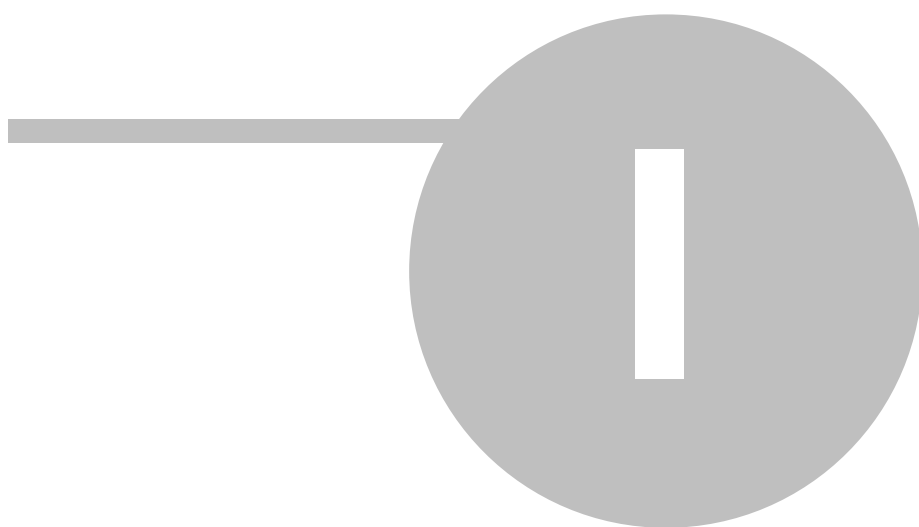
FastReport 4.0

	I	1
I		2
1	.....	3
2	.....	3
3	.....	4
	.....	4
	" "	5
	" "	6
	" "	7
	" "	8
4	.....	9
5	.....	10
6	.....	13
II		17
1	.....	17
2	"Hello, World!"	18
3	" "	19
4 HTML-	" "	21
5	" "	21
6	.....	23
7	-	25
8	TfrxDBDataSet	25
9	" "	26
10	" "	29
11	.....	30
12	.....	31
13	" "	33
14	.....	35
15	.....	37
16	.....	39
17	.....	41
18	.....	42
19	.....	46
20 Child-	.....	49
21	.....	50
22	(master-detail)	52

23	.....	55
24	.....	57
III	,	60
1	.....	60
2	.....	63
3	.....	65
4	(drill-down)	66
5	.....	67
6	.....	68
7	.....	71
8	.....	72
IV	,	75
1	.....	75
2	.....	76
3	.....	78
4	.....	79
V		82
1	.....	82
2	.....	83
3	" (PrintOnParent)	84
VI		87
1	.....	87
2	.....	90
3	"Hello, World!"	92
4	.....	93
5	.....	94
6	.....	95
7	.....	95
8	.....	95
9	.....	96
10	OnBeforePrint	97
11	.....	100
12	OnAfterData	104
13	.....	105
	Report	105
	Engine	106
	Outline	107

14	Engine	108
15	.....	111
16	Outline	113
17	OnManualBuild	117
18	.....	122
VII		125
1	-	126
2	.....	129
3	.....	131
4	.....	132
5	.....	133
6	.....	134
7	.....	137
8	-	139
9	.....	145
10	.....	147
11	.....	149
VIII	,	154
1	.....	158
2	.....	159
3	.....	160
4	.....	161
5	, Delphi	161
IX		163
1	-	166
2	.....	168
3	« »	169
X		171
1	.....	171
2	"Hello, World!"	173
3	.....	174
4	.....	175
5	.....	176
6	.....	177
XI		180
1	.....	181

	TfrxDBLookupComboBox	181
	TfrxADOTable	182
	TfrxADOQuery	184
	TfrxADODataBase	186
2	.....	187
3	" "	189
4	.....	190
5	.....	192
XII		194
1	.....	194
2	.....	197
3	.....	198
XIII		201
1	.....	201
2	.....	206
3	.....	206
4	.....	207
5	.....	208
	.....	211
	.....	213
XIV	, ,	217
1	.....	219
2	.....	219
3	.....	220
4	.....	222
5	.....	223
	PDF	224
	Open Document	225
	RTF	226
	Excel	228
	XML	229
	CSV	230
	HTML	231
	.....	232
	Jpeg, BMP, Gif, Tiff	233
6	.....	235
7	.....	237



design-time

TfrxReport.

Delphi design-time.

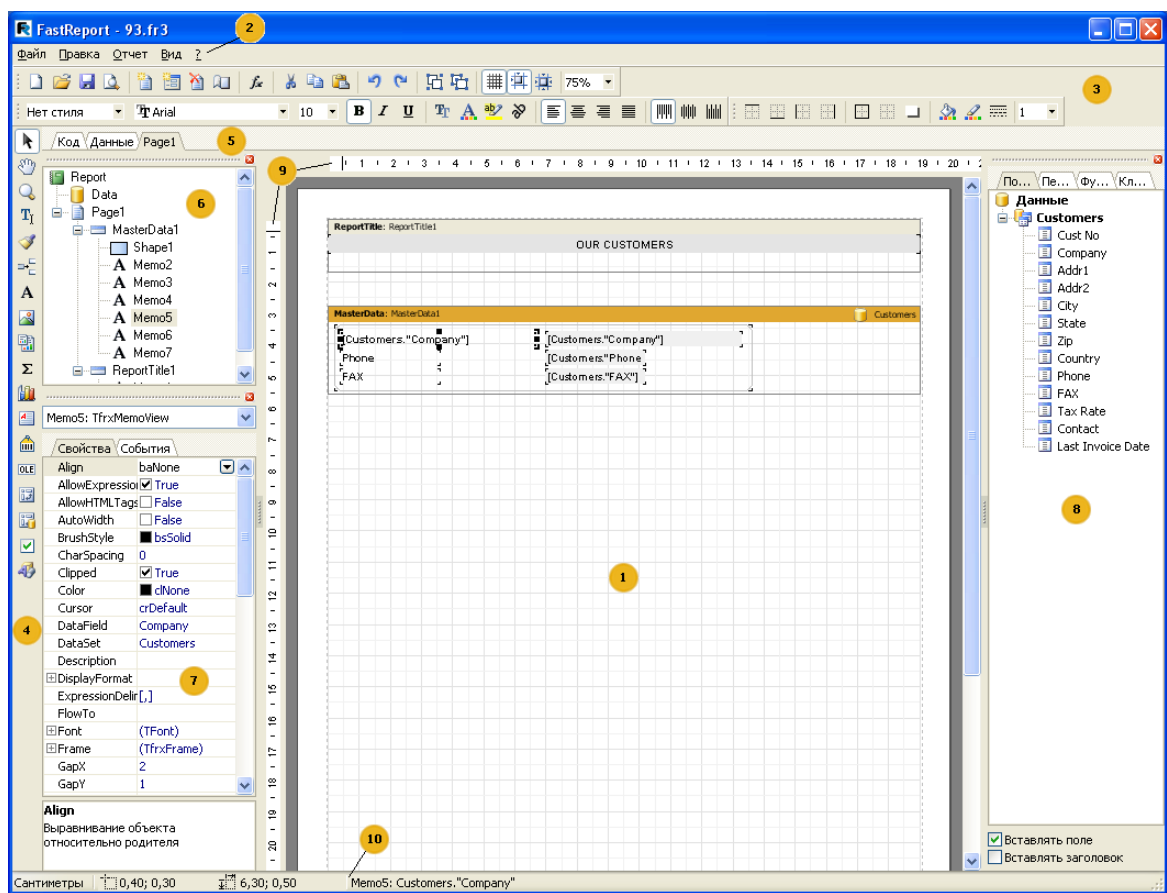
TfrxDesigner

frxDesgn.

FastReport,

run-time

uses



1 –

;

2 – ;
3 – ;
4 – ;
5 – ;
6 – " ;
7 – " ;
8 – " .
9 – ;
10 – , ;

1.1

Ctrl+O	" | ..."
Ctrl+S	" | "
Ctrl+P	" | "
Ctrl+Z	" | "
Ctrl+C	" | "
Ctrl+V	" | "
Ctrl+X	" | "
Ctrl+A	" | "
, Tab	
Del	
Enter	
Shift+	
Ctrl+	
Alt+	.



1.2




--	--

	; ; (), ,
	.
	.
	, " "
	.
Shift +	, , .
Ctrl +	; , , , , , , ,
Alt +	" " ,

1.3

1.3.1










		<p>,</p> <p>,</p> <p>.</p>
		<p>.</p>













		100%, 100%. , , , .
		" " . , " " .
		" " " . , " " .

1.3.2

" "

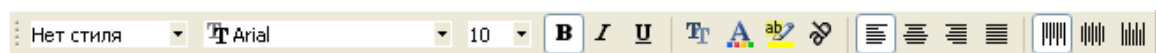


		.
		- Ctrl+O. .
		Ctrl+S. .
		- Ctrl+P. .
		.
		.
		.
		.
		.





















		- Ctrl+X.
		- Ctrl+C.
		- Ctrl+V.
		- Ctrl+Z.
		- Ctrl+Y.
		
		
		
		/
		/
		,
		.

1.3.3

" "



		“ ...”
Arial		
10		





		/
		/
		/
		,
		.
		" "
		.
		.
		.
		.
		.
		.
		.
		.
		.
		.
		.
		.
		.
		.







1.3.4

"

"



		/
		/
		/
		/













		
		
		/
		
		
		
1		

1.3.5

"

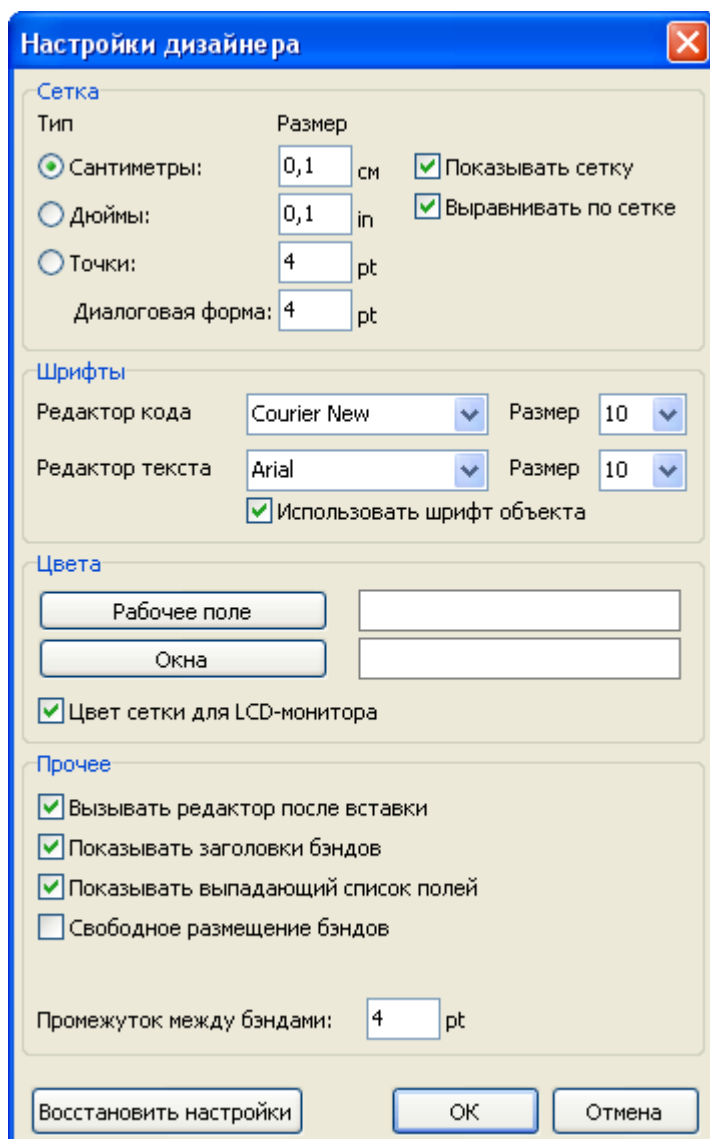
"



	
	
	
	
	
	
	
	
	
	
	,
	,

1.4

" | ...".



Настройки дизайнера

Сетка

Тип: ☒ Сантиметры: 0,1 см ☒ Показывать сетку
☐ Дюймы: 0,1 in ☒ Выравнивать по сетке
☐ Точки: 4 pt
Диалоговая форма: 4 pt

Шрифты

Редактор кода: Courier New Размер: 10
Редактор текста: Arial Размер: 10
☒ Использовать шрифт объекта

Цвета

Рабочее поле:
Окна:
☒ Цвет сетки для LCD-монитора

Прочее

☒ Вызывать редактор после вставки
☒ Показывать заголовки бэндов
☒ Показывать выпадающий список полей
☐ Свободное размещение бэндов
Промежуток между бэндами: 4 pt

Восстановить настройки OK Отмена

),

(, , ,

, , , ,

, , ,

,

" . "

" "

"

"

.

" " ' "

' LCD-

"

"

"

'

.

"

"

.

'

.

.

"

" ,

.

.

"

" ,

" " ,

.

'

.

"

"

.

'

"

.

"

'

.

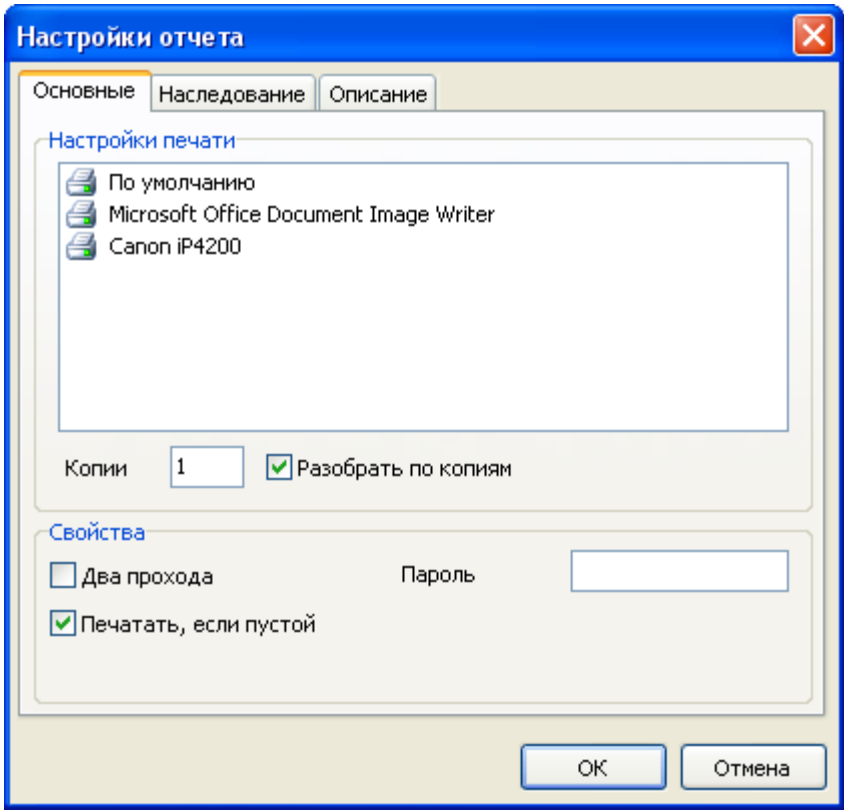
1.5

" | ... "

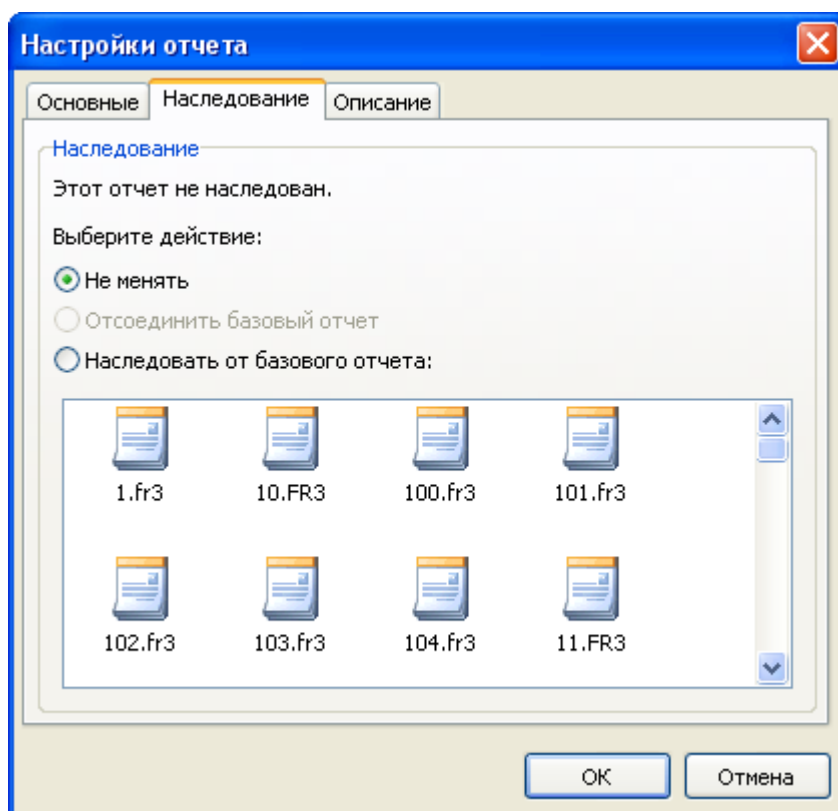
.

-

:



FR.



The image shows a Windows-style dialog box titled "Настройки отчета" (Report Settings). It has three tabs: "Основные" (General), "Наследование" (Inheritance), and "Описание" (Description). The "Описание" tab is selected. Inside the tab, there is a section titled "Описание" (Description) with four fields: "Имя" (Name), "Автор" (Author), "Описание" (Description), and "Картинка" (Image). The "Описание" field contains the text "This report demonstrates the ability to draw diagrams on the 'Data' tab." The "Картинка" field has a "Выбрать..." (Choose...) button next to it. Below this section is a "Версия" (Version) section with four input fields for "Major", "Minor", "Release", and "Build". At the bottom of the dialog, there are two buttons: "ОК" (OK) and "Отмена" (Cancel). The "Создан" (Created) and "Изменен" (Modified) fields show timestamps: "Создан 20.09.2006 22:13:43" and "Изменен 21.09.2006 18:27:19".

Настройки отчета

Основные Наследование Описание

Описание

Имя

Автор

Описание This report demonstrates the ability to draw diagrams on the "Data" tab.


Картинка

Версия

Major Minor Release Build


Создан 20.09.2006 22:13:43 Изменен 21.09.2006 18:27:19

1.6

Настройки страницы 

Страница Прочее


Формат

А4 

Ширина 21 см

Высота 29,70 см

Ориентация


☒ Портретная 


☐ Альбомная

Поля

Левое	1 см	Правое	1 см
Верхнее	1 см	Нижнее	1 см

Источник бумаги

Для первой страницы По умолчанию 

Для остальных По умолчанию 

ОК Отмена

Настройки страницы

Страница Прочее

Колонки

Количество

Ширина см

Позиции

Прочее

☐ Печатать на пред. странице

☐ Зеркальные поля

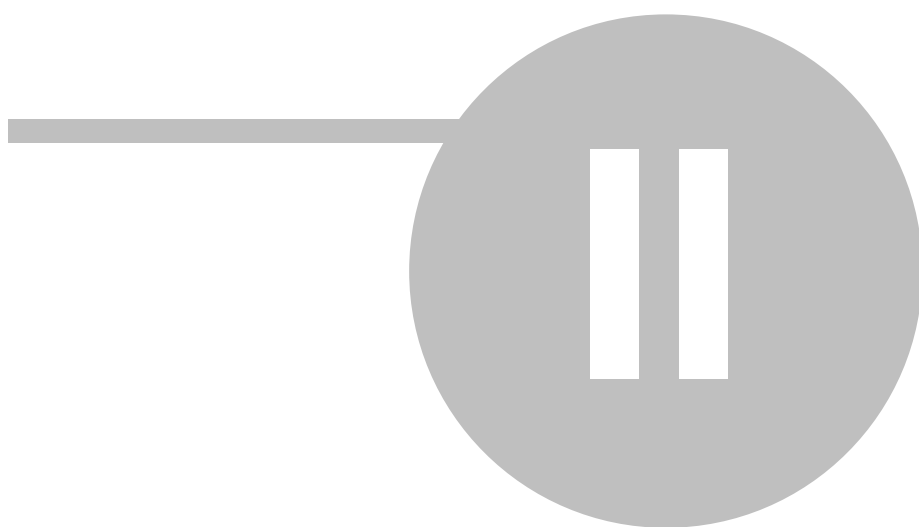
☐ Бесконечная ширина

☐ Бесконечная высота

☐ Большая высота в дизайнера














Дуплекс

ОК Отмена



2.1

FastReport
(,)
FastReport,

		
		
		BMP, JPEG, ICO, WMF, EMF.
		(, ,) ,
		
		" " — , , , , .
		(, . .).
RichText		Rich text (RTF).
-		
CheckBox		- .
		().
OLE		OLE. ,
		

" " " "

2.2 "Hello, World!"

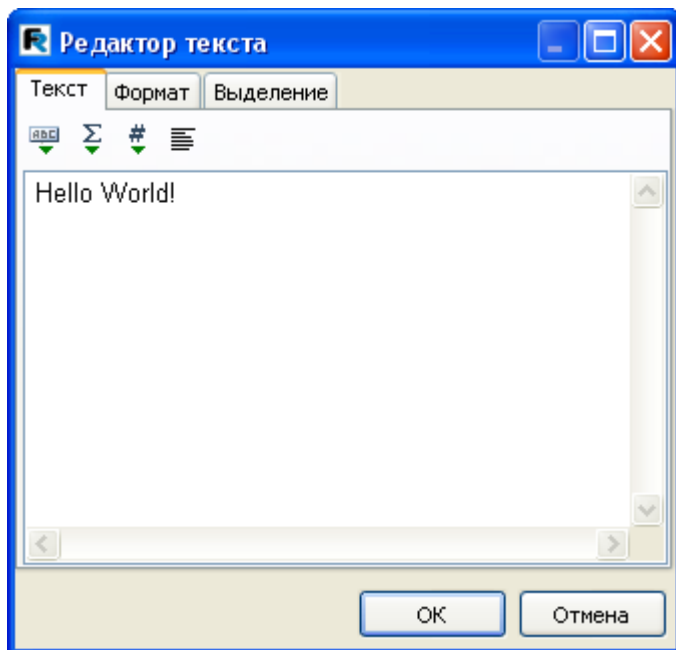
"Hello, World!".

, FastReport.

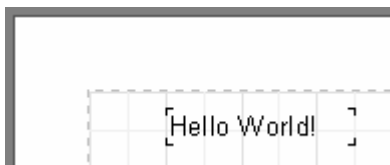
" "

,

(),



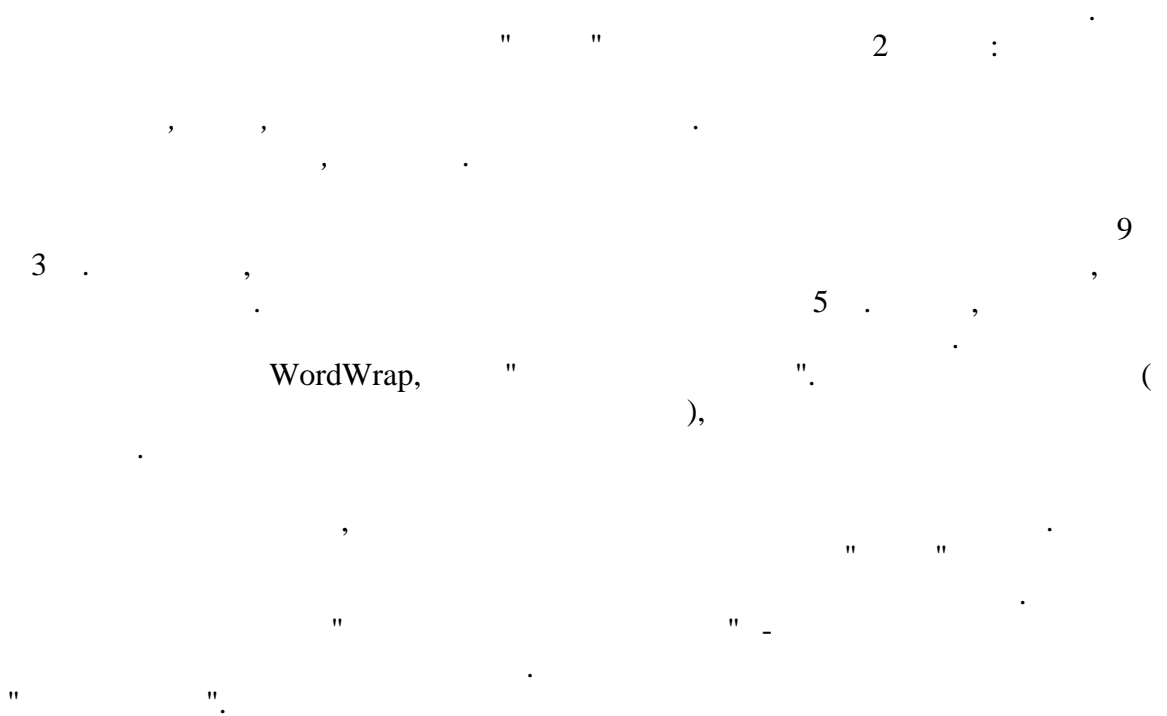
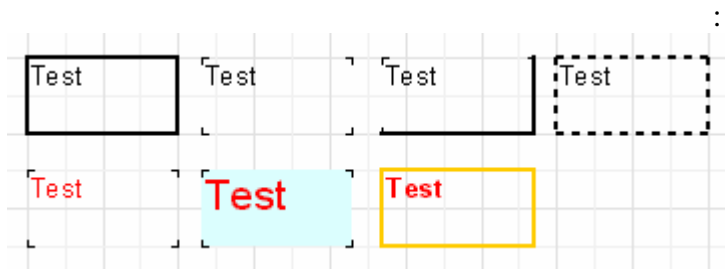
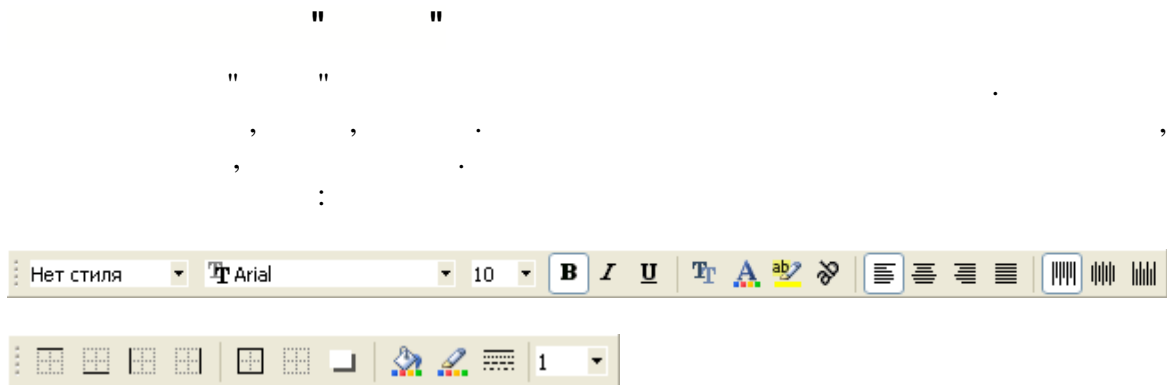
"Hello World!"

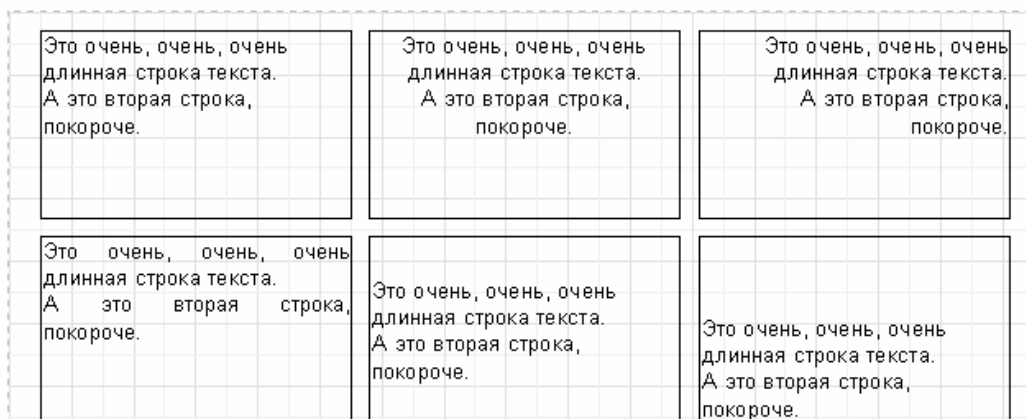


" | ",

"Hello World!".

2.3





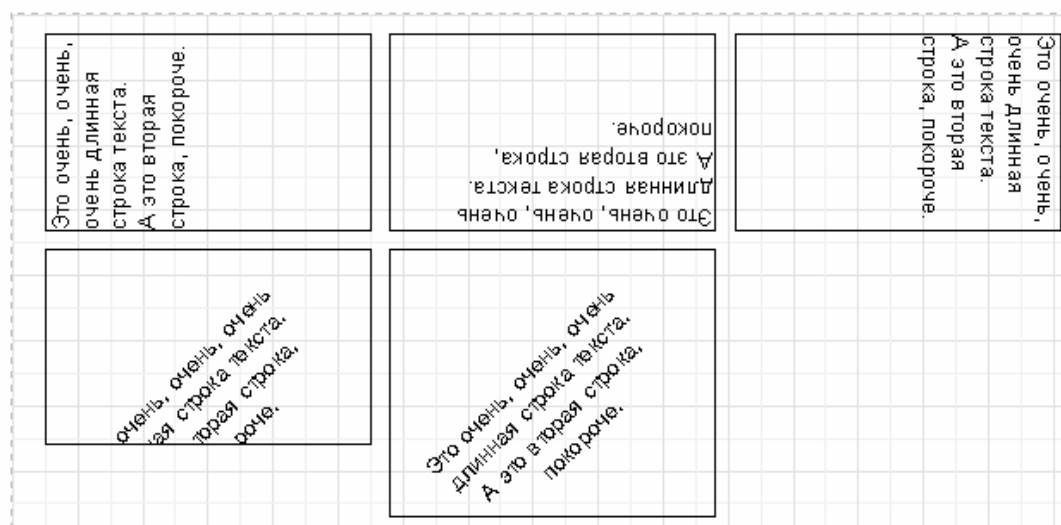
0..360

45, 90, 180 270

Rotation

90, 180, 270,

(.).



- BrushStyle -

- CharSpacing -

- GapX, GapY -
- LineSpacing -
- ParagraphGap -

2.4 HTML-

HTML.

"HTML

"AllowHTMLTags"

:

- -
- <i> -
- <u> -
- <strike> -
- <sub> -
- <sup> -
- -

 <i> </i> <i>

</i>

$E = mc^2$

$A_{sub}1 = B^{sup}2$

,

,

текст **жирный текст** *наклонный текст* **жирный и наклонный**

$E = mc^2$

$A_1 = B^2$

это обычный текст, а это красный

это обычный текст, а это оранжевый

2.5

[illegible]

FastReport [1] :

expressions ("..."),

```

    , FastReport
      .
      ExpressionDelimiters, "[,]".
      ,
      :

```

ExpressionDelimiters "<,>".

```

    ,
    .
    . . "%,% "
    "<%,%>".
    :
    a[1] := <%myVar%>

```

2.6

```

    " " (band) - " ".
    " ", FastReport,
    " ",
    "Hello!"
    FastReport " "
    " ", " " 1 " " :
    " 1 " - " Delete
    " " " "
    " " " FastReport
    " " "
    "[DATE]" ( " " "
    " ", "[DATE]". "
    " ", "Hello!".
    " ",

```

ReportTitle: ReportTitle1	
[Hello!]	
PageHeader: PageHeader1	
	[DATE]
PageFooter: PageFooter1	
	[Page#]

Hello!	27.01.04
1	

```

-      "      "      ;
-      "      "      ;
-      "      "      ,
      "      "      (
TitleBeforeHeader,
      "      ,
      .

```

2.7

```



-      ,
      .
      (      ),
      (      ).
FastReport      -      -      .
      "      xxx      ".
      :
-      -      ;
-      ;
-      "      "      ,
      .
      FastReport
      ,
      ,
      .

```

2.8

TfrxDBDataSet

```

      (
      TfrxDBDataSet 
FastReport.
      FastReport.
      .
      . FastReport
      FastReport      -
      BDE, IB_Objects
      (
      ,
      TDataSet),
      ,
      ,
      TfrxDBDataSet
      TDataSet (      BDE, ADO, IBX
      ).
      IB_Objects
      TfrxIBODataset,
      (
      ,
      . .) -
      TfrxUserDataSet 

```

```

TfrxDBDataSet
,
) DataSource ( TDataSource).

TDataSource.

,

FastReport " | ..."
.

```



2.9

" "

– DBDEMOS. Delphi.
TTable :

```

DatabaseName = 'DBDEMOS'
TableName = 'Customer.db'

```

TfrxDBDataSet , FastReport,
:

```
DataSet = Table1
```

```

,
FastReport - TfrxReport.
", FastReport

```



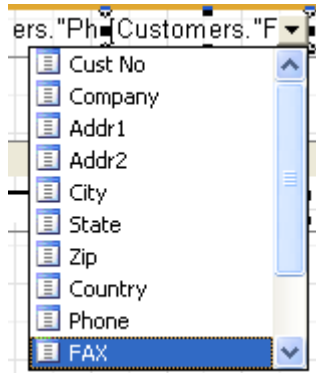
```

" 1 " " "
FastReport,
" | ..." (
) . , " ".
" " " " " 1 "
" " " " " 1 "
:
- " " ;
- " ... " ;
- DataSet .
,
,
FastReport. " "
"[frxDBDataSet1."CustNo"]".
, .
,
" "
.
,
.
Delphi -
.
:
DataSet = frxDBDataSet1
DataField = 'Company'
. .
- drag&drop " "
"Phone"
" "
" "
,
,
" "

```

"FAX".

" | ...", "



ReportTitle: ReportTitle1			
[Список клиентов]			
MasterData: MasterData1			
[frDBDataSet1]	[frDBDataSet1."Company"]	[frDBDataSet1."Pho"]	[frDBDataSet1."FAX"]
PageFooter: PageFooter1			
			[Page#]

Список клиентов

1221	Kauai Dive Shoppe	808-555-0269	808-555-0278
1231	Unisco	809-555-3915	809-555-4958
1351	Sight Diver	357-6-876708	357-6-870943
1354	Cayman Divers World Unlimited	011-5-697044	011-5-697064
1356	Tom Sawyer Diving Centre	504-798-3022	504-798-7772
1380	Blue Jack Aqua Center	401-609-7623	401-609-9403
1384	VIP Divers Club	809-453-5976	809-453-5932
1510	Ocean Paradise	808-555-8231	808-555-8450
1513	Fantastique Aquatica	057-1-773434	057-1-773421
1551	Marmot Divers Club	416-698-0399	426-698-0399
1560	The Depth Charge	800-555-3798	800-555-0353
1563	Blue Sports	610-772-6704	610-772-6898
1624	Makai SCUBA Club	317-649-9098	317-649-6787
1645	Action Club	813-870-0239	813-870-0282
1651	Jamaica SCUBA Centre	011-3-697043	011-3-697043
1680	Island Finders	713-423-5675	713-423-5676

2.10

" "

, " " ,

,
:

DataSet, DataField.

, - ,

. , :

: [*frxDBDataSet1*.*"Contact_Person"*]— — , " — ". ,
.

- :

: [*<frxDBDataSet1*.*"Length_in">* * 2.54],
,

```

        ,
        "
    ").
    FastReport
    .
    ,

: [<frxDBDataSet1."Contact_Person">]

: [frxDBDataSet1."Contact_Person"]

, . . FastReport
, / . ,
:
: [<frxDBDataSet1."Length_in"> * 2.54]

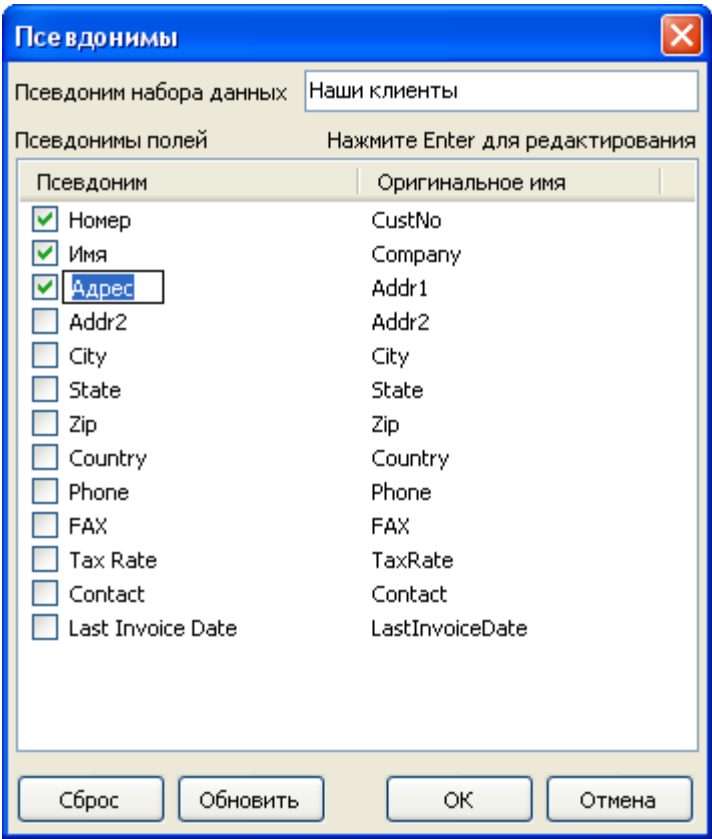
```

2.11

```

frxDBDataSet1      CustNo, Company, Phone, FAX.
                    "[frxDBDataSet1."CustNo"]".
                    "
" . ".
                    ,
                    (
                    ,
                    -
                    ,
                    ).
                    FastReport.
                    .
                    FastReport
                    frxDBDataSet1,
                    ,
                    .
                    :

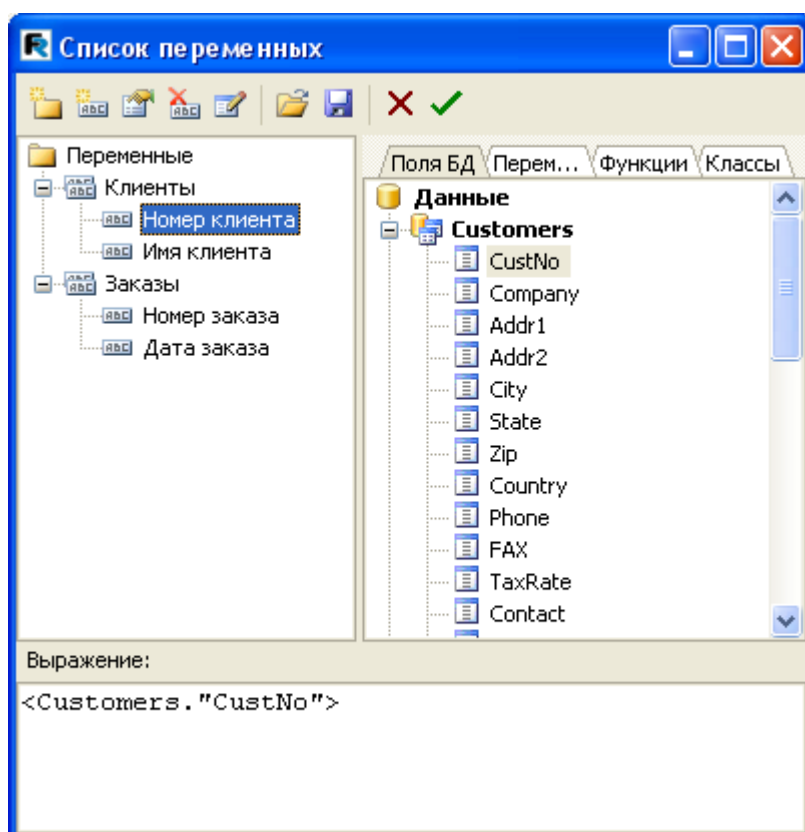
```



frxDBDataSet1.

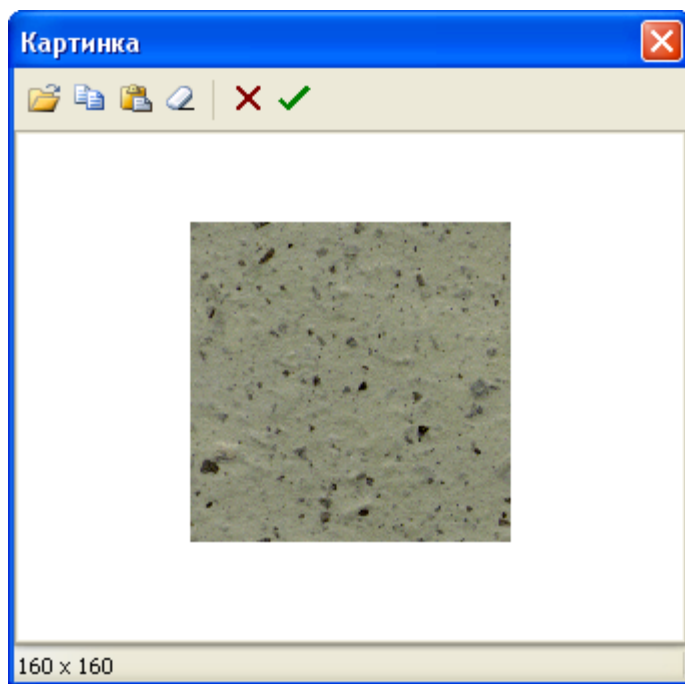
UserName

2.12



2.13

BMP, JPEG, ICO, WMF, EMF.



);

- (AutoSize)
- (Stretch) -
- (Center)
- (KeepAspectRatio) -

```

" " ,
.
,
.
" " ,
.
,
" " ,
.
" " ,
.
" "
:
.
" "
.

```



```

FastReport
(
    - FileLink,
    : c:\picture.bmp.
    : [picture_file].
)

```

2.14

```

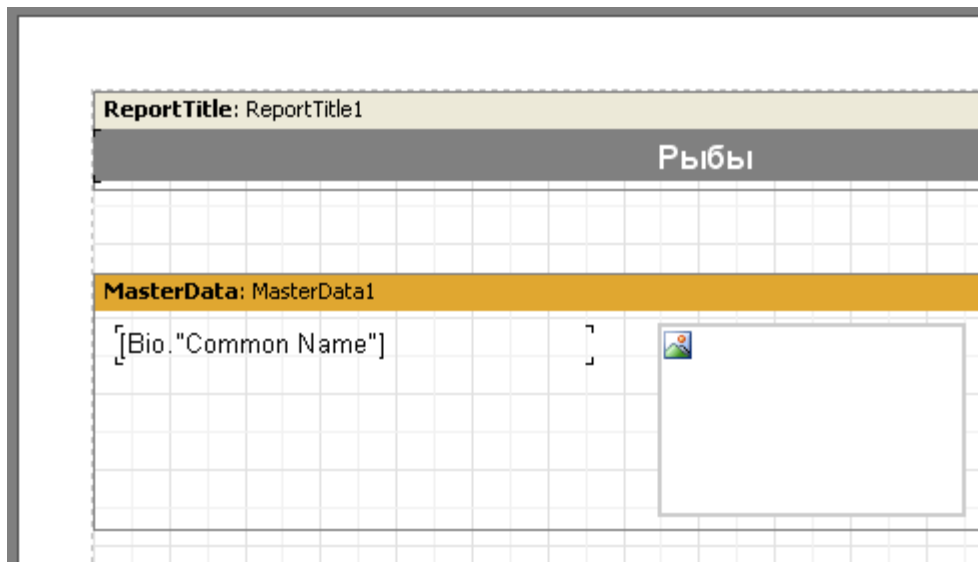
"      ",
.
DataSet, DataField
"      ",
.
,
.
DBDEMOS,
Delphi.
Delphi.
TTable
:
DatabaseName = 'DBDEMOS'
TableName = 'Biolife.db'
TfrxDBDataSet
FastReport,
:
DataSet = Table1
UserName = 'Bio'
TfrxReport.
FastReport
"      |      ...".
"      "
"      "
"      "
"      "
1
"
"Bio"
).
3
,
"CommonName"
,

```

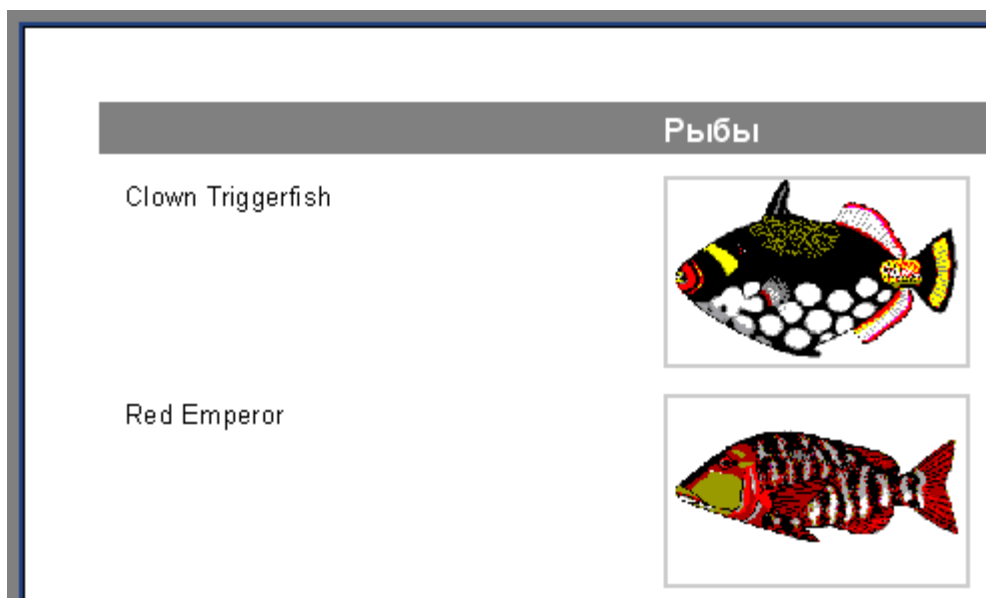
" " : "Graphic".

DataSet = Bio
DataField = 'Graphic'

, - " ",
 4 2.5 .



, (.):



2.15

Biolife

"Notes",

"Notes"

- 8 2.5

РЫБЫ

Clown Triggerfish

Also known as the big spotted triggerfish. Inhabits outer reef areas and feeds upon crustaceans and mollusks by crushing them with powerful teeth. They are voracious eaters, and divers report seeing the clown triggerfish devour beds of pearl oysters.



Red Emperor

Called seaperch in Australia. Inhabits the areas around lagoon coral reefs and sandy bottoms.

The red emperor is a valuable food fish and considered a great sporting fish that fights with fury when hooked. The flesh of an old fish is just as



, FastReport

"Notes"

" "

?

FastReport

" (Stretch).

(AutoWidth)

(StretchMode).

smDontStretch -
 smActualHeight -
 smMaxHeight -

smActualHeight.

StretchMode =

РЫБЫ

Clown Triggerfish

Also known as the big spotted triggerfish. Inhabits outer reef areas and feeds upon crustaceans and mollusks by crushing them with powerful teeth. They are voracious eaters, and divers report seeing the clown triggerfish devour beds of pearl oysters.



Do not eat this fish. According to an 1878 account, "the poisonous flesh acts primarily upon the nervous tissue of the stomach, occasioning violent spasms of that organ, and shortly afterwards all the muscles of the body. The frame becomes rocked with spasms, the tongue thickened, the eye fixed, the breathing laborious, and the patient expires in a paroxysm of extreme suffering."

Not edible.

Red Emperor

Range is Indo-Pacific and East Africa to Samoa.

Called seaperch in Australia. Inhabits the areas around lagoon coral reefs and sandy bottoms.

The red emperor is a valuable food fish and considered a great sporting fish that fights with fury when hooked. The flesh of an old fish is just as tender to eat as that of the very young.



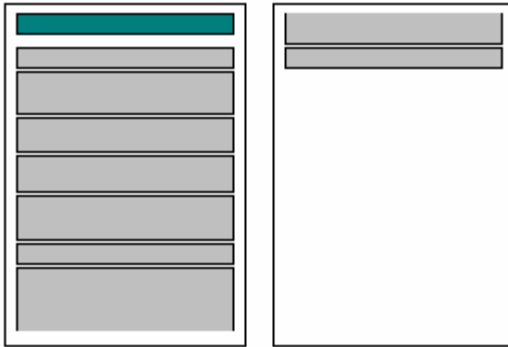
Giant Maori Wrasse

Range is from the Indo-Pacific to East Africa.

This is the largest of all the wrasse. It is found in

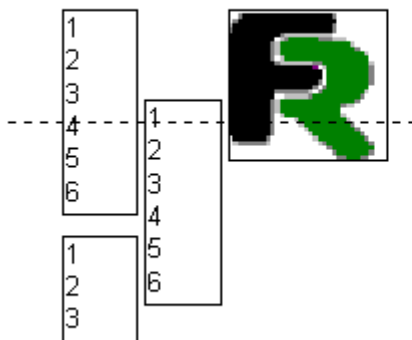


FastReport

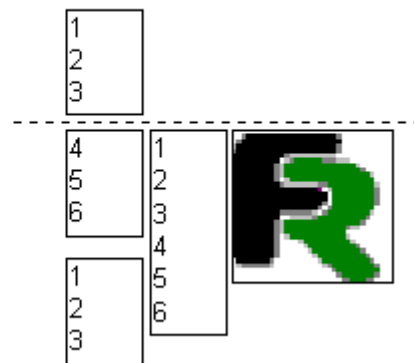


? FastReport
 " " "RichEdit".
 " ", - FastReport
 ;
 - ,
 ;
 - (
 ,);
 - ;
 - ,
 , , ;
 - ,
 , :

До разрыва:



После разрыва:



100%

1	1
2	2
3	3
4	4
5	5
1	
2	
1	1

2	2
3	3
4	4
5	5
1	
2	

2.17

(
FastReport
" "
:
)

ReportTitle: ReportTitle1

Рыбы

MasterData: MasterData1

[Bio."Common Name"]

[Bio."Notes"]

Bio."Notes"

Bio."Notes"

Bio."Notes"

FlowTo.

РЫБЫ

Clown Triggerfish

Also known as the big spotted triggerfish. Inhabits outer reef areas and feeds upon crustaceans and mollusks by crushing them with powerful teeth. They are voracious eaters, and divers report seeing the clown triggerfish devour beds of pearl oysters.



Do not eat this fish. According to an 1878 account, "the poisonous flesh acts primarily upon the nervous tissue of the stomach, occasioning violent spasms of that organ, and shortly afterwards all the muscles of the body. The frame becomes rocked with spasms, the tongue thickened, the eye fixed, the breathing laborious, and the patient expires in a paroxysm of extreme suffering."

Not edible.

Range is Indo-Pacific and East Africa to Somoa.

2.18

FastReport,

:

MasterData: MasterData1

[Bio."Species"] [Bio."Common Name"] [Bio."Length"]

,

:

90020	Clown Triggerfish	50
90030	Red Emperor	60
90050	Giant Maori Wrasse	229
90070	Blue Angelfish	30
90080	Lunartail Rockcod	80

-

,

90020	Clown Triggerfish	50
90030	Red Emperor	60
90050	Giant Maori Wrasse	229
90070	Blue Angelfish	30
90080	Lunartail Rockcod	80

,

:

,

PageHeader: PageHeader1

MasterData: MasterData1

[Bio."Specie" [Bio."Common Name"] [Bio."Length"]

ReportSummary: ReportSummary1

90020	Clown Triggerfish	50
90030	Red Emperor	60
90050	Giant Maori Wrasse	229
90070	Blue Angelfish	30
90080	Lunartail Rockcod	80
90090	Firefish	38
90100	Ornate Butterflyfish	19
90110	Swell Shark	102
90120	Bat Ray	56
90130	California Moray	150
90140	Lingcod	150
90150	Cabezon	99
90160	Atlantic Spadefish	90
90170	Nurse Shark	400
90180	Spotted Eagle Ray	200
90190	Yellowtail Snapper	75
90200	Redband Parrotfish	28
90210	Great Barracuda	150
90220	French Grunt	30
90230	Dog Snapper	90
90240	Nassau Grouper	91
90250	Bluehead Wrasse	15
90260	Yellow Jack	90
90270	Redtail Surfperch	40
90280	White Sea Bass	150
90290	Rock Greenling	60
90300	Senorita	25
90310	Surf Smelt	25

Bio.Notes.

90020	Clown Triggerfish	50	<p>Also known as the big spotted triggerfish. Inhabits outer reef areas and feeds upon crustaceans and mollusks by crushing them with powerful teeth. They are voracious eaters, and divers report seeing the clown triggerfish devour beds of pearl oysters.</p> <p>Do not eat this fish. According to an 1878 account, "the poisonous flesh acts primarily upon the nervous tissue of the stomach, occasioning violent spasms of that organ, and shortly afterwards all the muscles of the body. The frame becomes rocked with spasms, the tongue thickened, the eye fixed, the breathing laborious, and the patient expires in a paroxysm of extreme suffering."</p> <p>Not edible.</p> <p>Range is Indo-Pacific and East Africa to Somoa.</p>
90030	Red Emperor	60	<p>Called seaperch in Australia. Inhabits the areas around lagoon coral reefs and sandy bottoms.</p> <p>The red emperor is a valuable food fish and</p>

. FastReport

smMaxHeight

" (StretchMode =
FastReport

90020	Clown Triggerfish	50	<p>Also known as the big spotted triggerfish. Inhabits outer reef areas and feeds upon crustaceans and mollusks by crushing them with powerful teeth. They are voracious eaters, and divers report seeing the clown triggerfish devour beds of pearl oysters.</p> <p>Do not eat this fish. According to an 1878 account, "the poisonous flesh acts primarily upon the nervous tissue of the stomach, occasioning violent spasms of that organ, and shortly afterwards all the muscles of the body. The frame becomes rocked with spasms, the tongue thickened, the eye fixed, the breathing laborious, and the patient expires in a paroxysm of extreme suffering."</p> <p>Not edible.</p> <p>Range is Indo-Pacific and East Africa to Somoa.</p>
90030	Red Emperor	60	<p>Called seaperch in Australia. Inhabits the areas around lagoon coral reefs and sandy bottoms.</p>

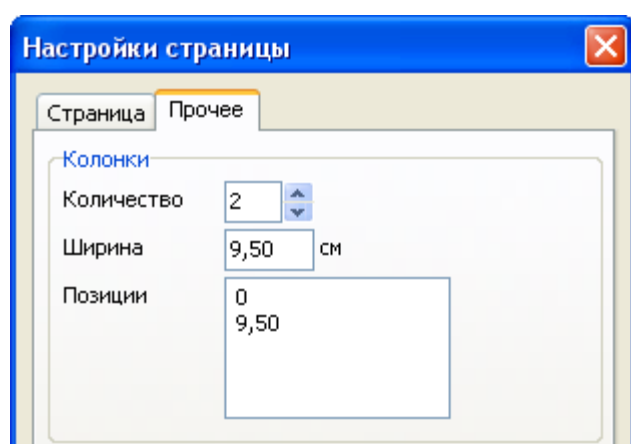
2.19

MasterData: MasterData1

Номер:	[Bio."Specie"]
Категория:	[Bio."Category"]
Название:	[Bio."Common Name"]
Длина:	[Bio."Length"]

Номер:	90020
Категория:	Triggerfish
Название:	Clown Triggerfish
Длина:	50

Номер:	90030
Категория:	Snapper
Название:	Red Emperor
Длина:	60



FastReport

MasterData: MasterData1		Bio
Номер:	[Bio."Specie"]	
Категория:	[Bio."Category"]	
Название:	[Bio."Common Name"]	
Длина:	[Bio."Length"]	

. FastReport

FastReport

Номер:	90020
Категория:	Triggerfish
Название:	Clown Triggerfish
Длина:	50

Номер:	90130
Категория:	Eel
Название:	California Moray
Длина:	150

Номер:	90030
Категория:	Snapper
Название:	Red Emperor
Длина:	60

Номер:	90140
Категория:	Cod
Название:	Lingcod
Длина:	150

Columns

= 1)

2

Columns

(
FastReport
ColumnWidth (),

MasterData: MasterData1		Bio
Номер:	[Bio."Specie"]	
Категория:	[Bio."Category"]	
Название:	[Bio."Common Name"]	
Длина:	[Bio."Length"]	

, " , "

2.20 Child-

, " "

Bio."Common Name" 2.5 ,

" " 1 "

, :

Номер:	90020
Категория:	Triggerfish
Название:	Clown
Длина, см:	Triggerfish
	50

Номер:	90030
Категория:	Snapper
Название:	Red Emperor
Длина, см:	60

,

Bio."Length (cm)", . ,

smAlways). " " (ShiftMode =

" "). (" "

, ,

-

" , : " FastReport ,

— , Child- . :

MasterData: MasterData1	
Номер:	[Bio."Specie
Категория:	[Bio."Category"]
Название:	[Bio."Comm
Child: Child1	
Длина:	[Bio."Length

" , " 1
Child = Child1.
:

Номер:	90020
Категория:	Triggerfish
Название:	Clown Triggerfish
Длина:	50

, child- ,
(KeepChild), (. . " child"

2.21

, — "
" .
ShiftMode = smWhenOverlapped.
 ,
 .
" . " ,
 .

1	1 2 3 4	1 2 3 4 5 6 7 1
1	1	

" "

:

1	1 2 3 4	1 2 3 4 5 6 7
1	1	
		1

“ ”

“ ”

,

,

:

1	1	1	1
1		2	2
		3	
		4	
1			1

“ ”

,

.

2.22

(master-detail)

- " 1 ".
 . FastReport , 6
 (, " ,
).
 ; , 1-3 .
 .
 Customer Orders. - , -
 , . :

Customer:

<u>CustNo</u>	<u>Company</u>
1221	Kauai Dive Shoppe
1231	Unisco
1351	Sight Diver
....	

Orders:

<u>OrderNo</u>	<u>CustNo</u>	<u>SaleDate</u>
1003	1351	12.04.1988
1023	1221	01.07.1988
1052	1351	06.01.1989
1055	1351	04.02.1989
1060	1231	28.02.1989
1123	1221	24.08.1993
....		

, ,
 . , ,
 , CustNo = ,
 , ,
 :

 1221 Kauai Dive Shoppe
 1023 01.07.1988
 1123 24.08.1993

 1231 Unisco
 1060 28.02.1989

 1351 Sight Diver

1003	12.04.1988
1052	06.01.1989
1055	04.02.1989

Delphi,
TTable, TDataSource,
TfrxDBDataSet TfrxReport. :

Table1:
DatabaseName = 'DBDEMOS'
TableName = 'Customer.db'

Table2:
DatabaseName = 'DBDEMOS'
TableName = 'Orders.db'

DataSource1:
DataSet = Table1

frxDBDataSet1:
DataSet = Table1
UserName = 'Customers'

frxDBDataSet2:
DataSet = Table2
UserName = 'Orders'

" | ...". " 1 " " 2
":

MasterData: MasterData1		Customers	
[Customers."Cust No"]	[Customers."Company"]		
DetailData: DetailData1		Orders	
[Orders."Cust No"]	[Orders."Order No"]	[Orders."Sale Date"]	

– " 1 " !
" 2 ", FastReport

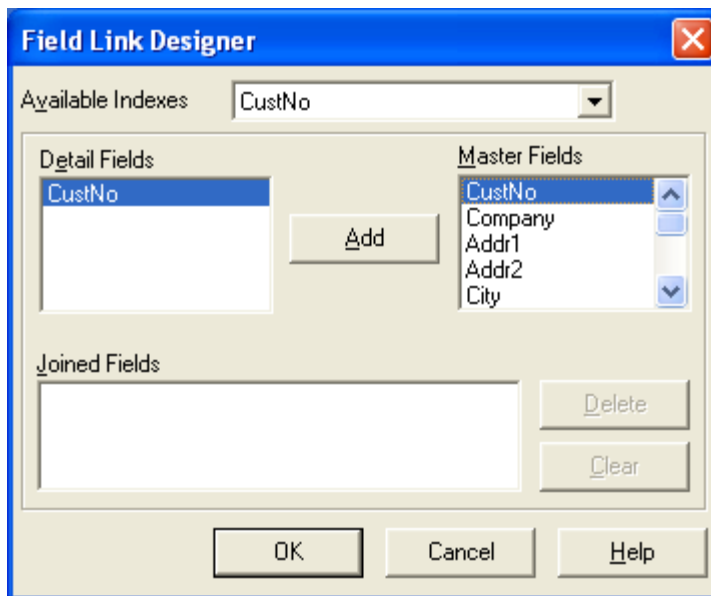
Orders.
Orders.
Table2 MasterSource

= DataSource1.

" - "

MasterFields

Table2:



CustNo, CustNo "Add".

FastReport
(Customer),
(Orders).
Orders.CustNo = Customer.CustNo. . .
:

1645	Action Club	
1645	1014	25.05.1988
1645	1029	18.07.1988
1645	1038	26.08.1988
1645	1129	19.10.1993
3158	Action Diver Supply	
3158	1039	29.08.1988
1984	Adventure Undersea	
1984	1017	12.06.1988
1984	1037	26.08.1988
1984	1074	19.04.1989

6

2.23

Header: Header1
заголовок
MasterData: MasterData1
данные
Footer: Footer1
подвал

заголовок
данные
данные
данные
данные
данные
подвал

master-detail:

Header: Header1	
заголовок 1 ур.	
MasterData: MasterData1	
данные 1 ур.	
Footer: Footer1	
подвал 1 ур.	
Header: Header2	
заголовок 2 ур.	
DetailData: DetailData1	
данные 2 ур.	
Footer: Footer2	
подвал 2 ур.	

=>

заголовок 1 ур.	
данные 1 ур.	
заголовок 2 ур.	
данные 2 ур.	
данные 2 ур.	
подвал 2 ур.	
данные 1 ур.	
заголовок 2 ур.	
данные 2 ур.	
данные 2 ур.	
подвал 2 ур.	
подвал 1 ур.	

```

- . " " 1 " ,
  " 2 " - " ,
    " 1 ".
.
,
"Footer
FooterAfterEach (
"),
master-detail.
FooterAfterEach :

```

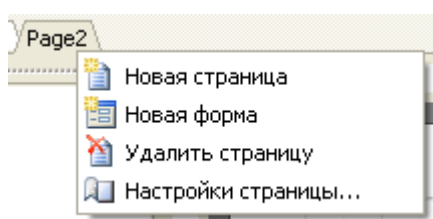
```

заголовок 1 ур.
данные 1 ур.
заголовок 2 ур.
данные 2 ур.
данные 2 ур.
подвал 2 ур.
подвал 1 ур.
данные 1 ур.
заголовок 2 ур.
данные 2 ур.
данные 2 ур.
подвал 2 ур.
подвал 1 ур.

```

2.24

FastReport

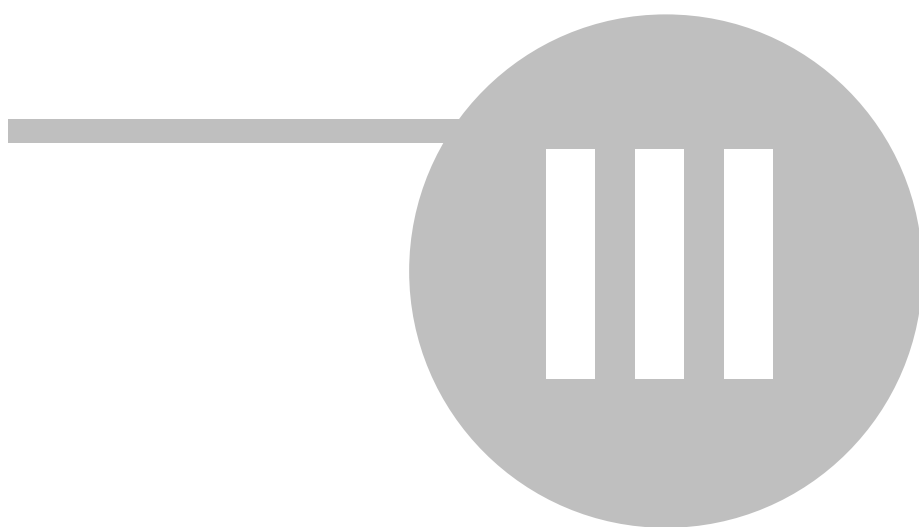


Наш отчет

Customers				
Company	Address	Contact	Phone	Fax
Action Club	PO Box 9481-P	Michael Spurling	813-870-0230	813-870-0282
Action Diver Supply	Blue Spar Box 83	Marianna Mills	22-44-800-211	22-44-800-696
Adventure Undersea	PO Box 744	Gloria Gonzalez	011-34-08-054	011-34-08-054
American SCUBA Supply	1755 Atlantic Avenue	Lynn Cincinnati	213-494-0062	213-494-0066
Aquatic Diving	921 Everglades Way	Gillian Owen	813-442-7654	813-442-7676
Blue Glass Regalia	6345 W. Shara Lane	Christina Taylor	213-895-1884	213-895-1265
Blue Jack Aqua Center	23-7511 Redington Lane	Ernest Barnett	401-859-7623	401-859-9403
Blue Sports	203 12th Ave. Box 746	Theresa Kunec	610-772-6704	610-772-6368
Blue Sports Club	62955 Naz Ranco Street	Henry Balthans	612-887-0342	612-887-0348
Calamian Dive Club	Box 254 Pleasure Point	Nicole Dupont	213-225-0941	213-225-2324
Cayman Diving World Unlimited	PO Box 541	Jos Bailey	011-5-887-044	011-5-887-054
Central Underwater Supplies	PO Box 737	Maria Evertash	27-11-443-246	27-11-443-3259
Davy Jones' Locker	248 South 18th Place	Tanya Whigley	803-695-0112	803-695-0393
Diver's Grotto	34801 Universal Lane	Peter Owen	213-432-0063	213-432-4821
Divers of Blue-green	634 Complex Ave.	Nancy Bean	205-895-7184	205-895-6099
Divers of Corfu, Inc.	Marinist Place 54	Charles Lopez	30-951-88394	30-951-85943
Divers of Venice	220 Elm Street	Simone Green	813-443-2399	813-443-9342
Divers-for-Hire	G.O. P Box 61	Jos Hester	879-894-8791	879-899-346
Farabique Aquatics	232 669 #2A-77 A.A.	Susan Whig	087-1-773-434	087-1-773-421
Fisherman's Eye	PO Box 7542	Bethan Lewis	800-695-4880	800-695-4880
Frank's Divers Supply	1485 North 44th St.	Lloyd Fallowe	803-695-2776	803-695-2769
George Bean & Co.	#79 King Salmon Way	Bill Wyens	803-433-2771	803-433-3003
Gold Coast Supply	225-B Houston Place	Elaine Falls	205-895-2640	205-895-6094
Island Finders	6133 1/2 Stone Avenue	Diamond Ortega	713-423-6876	713-423-6876
Jamaica SCUBA Centre	PO Box 68	Barbara Harvey	011-3-887-043	011-3-887-043
Jamaica Sun, Inc.	PO Box 943	Jonathan West	809-595-2146	809-595-0325
Kauai Dive Shops	4-978 Superloaf Hwy	Erica Norman	808-695-0280	808-695-0278
Kid's Enterprise	42 Aqua Lane	Rudolph Claus	713-695-6497	713-695-1073
Larry's Diving School	3982 NW Buca Street	Isakbell Nasco	803-403-7777	803-403-0099
Makal SCUBA Club	PO Box 8834	Danna Skew	317-646-0068	317-646-6787
Marine SCUBA Center	PO Box 82483 Zulu 7831	Stephen Boyett	88-33-88222	88-33-88046
Marine Divers Club	872 Ocean St.	Joyce Marsh	416-495-0369	416-495-0369
Napuna's Trident Supply	PO Box 128	Louise Francis	778-897-5546	778-897-6543
Norstar SCUBA Limited	PO Box 8834	Angela Jones	778-123-9746	778-123-9765
Ocean Adventures	PO Box 485 Khaj	Paul Sell	778-895-0394	778-895-0393
Ocean Paradise	PO Box 8748	Paul Gardner	808-695-8231	808-695-8480
On-Target SCUBA	7-737 63 Nankawa Road	Brian Phillips	416-445-0283	416-445-0223
Princess Island SCUBA	PO Box 32 Whakere	Anne Marachi	879-311-623	879-311-203
Professional Divers, Ltd.	4794 Melinda St.	Shirley Michens	205-895-8333	205-895-4054
Safari Under the Sea	PO Box 7495	Anne Rack	809-402-2333	809-403-0302
San Pablo Dive Center	1701-13 N Broadway	Patricia O'Driscoll	823-444-2190	823-444-2190
SCUBA Heaven	PO Box O-3874	Robert Michelland	011-32-09-485	011-32-09-485
Shangri-La Sports Center	PO Box O-6466	Frank Pariquea	011-32-08-874	011-32-44-626
Sight Diver	1 Napuna Lane	Phyllis Spooner	387-6-876708	387-6-870943
The Depth Charge	18243 Underwater Hwy.	Sam Witherspoon	800-695-3768	800-695-0383
The Diving Company	PO Box 8835	Brian Mills	22-44-80-088	22-44-80-876
Tam Sawyer Diving Centre	683-1 The 4 Pydrishoj	Chris Thomas	894-768-3022	894-768-7772
Tona Tona Tona	PO Box H-4873	Kouin Rider	809-895-0043	809-895-8584
Underwater Fantasy	PO Box 842	Ginae Roseworth	809-695-2234	809-695-2234

Page 2/2

PrintToPreviousPage



,

3.1

```

        . FastReport
        ,
        .
        SQL,
        ,
        CustNo
        . SQL-
        :

select * from customer, orders
where orders.CustNo = customer.CustNo
order by customer.CustNo

"order by"
CustNo.
:

CustNo    Company    ...    OrderNo    SaleDate
1221      Kauai Dive Shoppe    1023    01.07.1988
1221      Kauai Dive Shoppe    1123    24.08.1993
1231      Unisco                1060    28.02.1989
1351      Sight Diver              1003    12.04.1988
1351      Sight Diver              1052    06.01.1989
1351      Sight Diver              1055    04.02.1989

? FastReport
- "
"
(
),
.

Delphi,
TQuery,
TfrxReport, TfrxDBDataSet.
:

Query1:
DatabaseName = 'DBDEMOS'
SQL =
select * from customer, orders
where orders.CustNo = customer.CustNo
order by customer.CustNo

frxDBDataSet1:
DataSet = Query1
UserName = 'Group'

```

Group.CustNo:

Группа

Условие

☒ Поле БД

Group CustNo

☐ Выражение

Свойства

☐ Выводить группу на одной странице

☐ Формировать новую страницу

☐ Показывать в дереве отчета

☐ Разворачиваемый

☐ Сбрасывать номер страницы

OK Отмена

Group

GroupHeader: GroupHeader1	Group."CustNo"
[Group."CustNo"]	[Group."Company"]
MasterData: MasterData1	Group
[Group."OrderNo"]	[Group."SaleDate"]

:

1221	Kauai Dive Shoppe
1076	16.12.1994
1123	24.08.1993
1169	06.07.1994
1176	26.07.1994
1269	16.12.1994
1023	01.07.1988
1231	Unisco
1160	01.06.1994
1302	16.01.1995

master-detail,

SQL:

```
select * from customer, orders
where orders.CustNo = customer.CustNo
order by customer.CustNo, orders.OrderNo
```

master-detail:

```
- ( ) ;
- ;
- ;
- -
```

SQL.

SQL

3.2

1380	Blue Jack Aqua Center
1006	06.11.1994
1079	03.05.1989
1106	23.09.1992
1153	16.04.1994
1253	26.11.1994
1384	VIP Divers Club
1124	01.09.1993
1207	11.11.1994

,
 , FastReport
 (
),
 " ,
 " (,
 ReprintOnNewPage). :

1380	Blue Jack Aqua Center
------	-----------------------

1006	06.11.1994
------	------------

1079	03.05.1989
------	------------

1106	23.09.1992
------	------------

1153	16.04.1994
------	------------

1253	26.11.1994
------	------------

1384	VIP Divers Club
------	-----------------

1124	01.09.1993
------	------------

1207	11.11.1994
------	------------

, " (KeepTogether
) . , :
.

1356 Tom Sawyer Diving Centre

1105	21.07.1992
1305	20.01.1995
1280	26.12.1994
1180	06.08.1994
1080	05.05.1989
1072	11.04.1989
1059	24.02.1989
1005	20.04.1988
1266	15.12.1994

1380 Blue Jack Aqua Center

1006	06.11.1994
------	------------

3.3

ResetPageNumbers (") , ?

50, 51, 52 (49

```

        ?)
        .
        ,
        .
        -
        ResetPageNumbers
        StartNewPage ("
        "),
        [Page], [TotalPages],
        "
        ".

```

3.4

(drill-down)

```

        DrillDown (
        "
        ").
        ,
        ,
        (
        )
        ,
        ShowFooterIfDrillDown).
        :

```

Customers				
Company	Address	Contact	Phone	Fax
A				
B				
C				
Catamaran Dive Club	Box 264 Pleasure Point	Nicole Dupont	213-223-0941	213-223-2324
Cayman Divers World Unlimited	PO Box 541	Joe Bailey	011-5-697044	011-5-697064
Central Underwater Supplies	PO Box 737	Maria Eventosh	27-11-4432458	27-11-4433259
				Count: 3
D				
F				

```

        ,
        .
        ExpandDrillDown.
        True.
        "
        "
        "
        "

```


3.5

(N /).
 [Line] (" ").
 " " (" ").

drag&drop

GroupHeader: GroupHeader1		
[Line]	[Group."CustNo"]	[Group."Company"]
MasterData: MasterData1		
[Line]	[Group."OrderNo"]	[Group."SaleDate"]

, ,
 :

1	1221	Kauai Dive Shoppe
1	1076	16.12.1994
2	1123	24.08.1993
3	1169	06.07.1994
4	1176	26.07.1994
5	1269	16.12.1994
6	1023	01.07.1988
2	1231	Unisco
1	1160	01.06.1994
2	1302	16.01.1995
3	1278	23.12.1994
4	1202	06.10.1994

Line#
 Line - :

1	1221	Kauai Dive Shoppe
1	1076	16.12.1994
2	1123	24.08.1993
3	1169	06.07.1994
4	1176	26.07.1994
5	1269	16.12.1994
6	1023	01.07.1988
2	1231	Unisco
7	1160	01.06.1994
8	1302	16.01.1995
9	1278	23.12.1994

3.6

: , . . . FastReport .

SUM	
MIN	
MAX	
AVG	
COUNT	

(- SUM): (COUNT)

SUM(expression, band, flags)
 SUM(expression, band)
 SUM(expression)

:

expression – ,
 band – - ,
 flags – ,
 :

1 –
2 –

()

, expression,

band,

COUNT

:

COUNT(band, flags)
COUNT(band)

:

-

-

(

:

,

,

,

,

).

?

:

GroupHeader: GroupHeader1		
[Group."CustNo"]	[Group."Company"]	
MasterData: MasterData1		
[Group."OrderNo"]	[Group."SaleDate"]	[Group."ItemsTotal"]
GroupFooter: GroupFooter1		
[SUM(<Group."ItemsTotal">,MasterData1)]		

Group."ItemsTotal"

-

"

",

.

.

,

,

,

:


1221	Kauai Dive Shoppe	
1076	16.12.1994	17781
1123	24.08.1993	13945
1169	06.07.1994	9471,95
1176	26.07.1994	4178,85
1269	16.12.1994	1400
1023	01.07.1988	4674
		51450,8

```

FastReport
    (
        SUM
        MasterData1).
    Group."ItemsTotal".
    flags
    Visible
    :
[SUM(<Group."ItemsTotal">,MasterData1,1)]
:
1221 Kauai Dive Shoppe
51450,8
1231 Unisco
85643,6
1351 Sight Diver
261575,8
flags = 2
:
[SUM(<Group."ItemsTotal">,MasterData1,3)]
3 - 1 2,
:
```

1221	Kauai Dive Shoppe	51450,8
1231	Unisco	137094,4
1351	Sight Diver	398670,2

3.7

Служебный текст 

☐ Системная переменная


☒ Агрегатная функция

Функция: SUM

Дата-бэнд: MasterData1

Набор данных: Group

Поле БД: ItemsTotal

Выражение: 

☐ Учитывать невидимые бэнды

☐ Нарастающим итогом

SUM(<Group."ItemsTotal">,MasterData1)

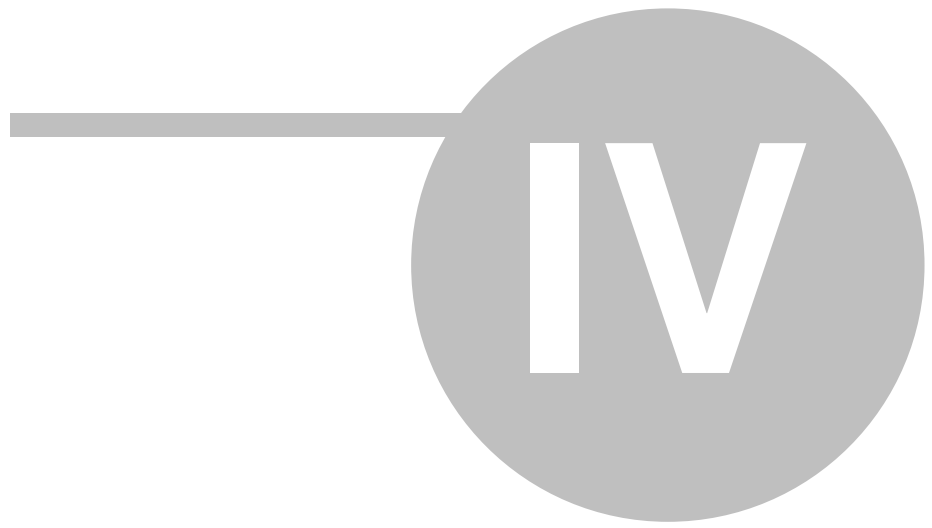
☐ Текст

OK Отмена

3.8

GroupHeader: GroupHeader1	
[Group."CustNo"]	[Group."Company"]
MasterData: MasterData1	
[Group."OrderNo"]	[Group."SaleDate"] [Group."ItemsTotal"]
GroupFooter: GroupFooter1	
[SUM(<Group."ItemsTotal">,MasterData1)]	
ReportSummary: ReportSummary1	
Всего: [SUM(<Group."ItemsTotal">,MasterData1)]	
PageFooter: PageFooter1	
На этой странице: [SUM(<Group."ItemsTotal">,MasterData1)]	

9841	Neptune's Trident Supply	
1149	14.03.1994	12900,75
1045	16.10.1988	787,8
1049	13.12.1988	1809,85
1145	17.01.1994	4229,8
		19728,2
		Всего: 2922666,1
		На этой странице: 320872,8



,

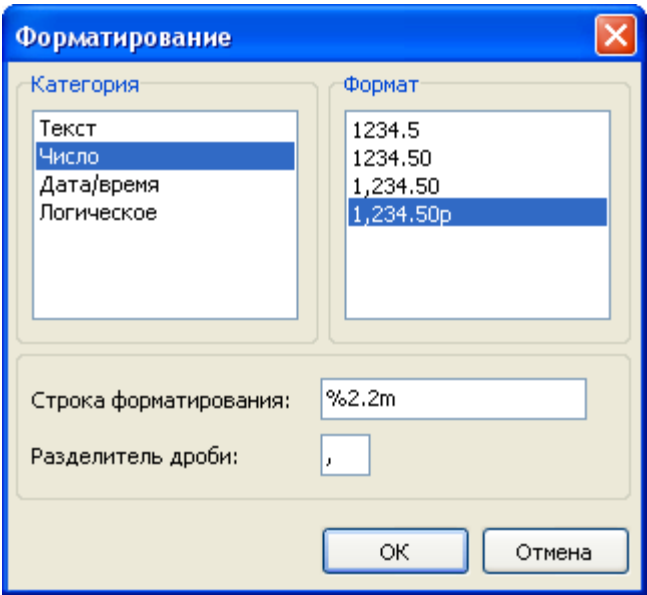
4.1

1176	26.07.94	4 178,85р.
1269	16.12.94	1 400,00р.
		51450,8

FastReport

SUM

DisplayFormat



234,50 .".

Format,

FastReport

, " _ " ().

1176	26.07.94	4 178,85p.
1269	16.12.94	1 400,00p.
		<hr/> 51 450,80p.

4.2

```

: [SUM(<Group."ItemsTotal">,MasterData1)]
- : [COUNT(MasterData1)]

```

$$(\quad, \quad), \quad :$$

1269	16.12.94	1 400,00р.
		Сумма: 51 450,80р.
		Кол-во: 6,00р.

" (()"). (— , . . (,).

$$\vdots$$

```

: [SUM(<Group."ItemsTotal">,MasterData1) #n%2,2m]
- : [COUNT(MasterData1)]

```

1269	16.12.94	1 400,00p.
		Сумма: 51 450,80p.
		Кол-во: 6

[expression #tag]

– # !
:
#n –
#d – /
#b , –

Format, / ' –
FormatDateTime.
Delphi. , FastReport:

:
%g –
%2.2f –
%2.2n –
%2.2m – , Windows,

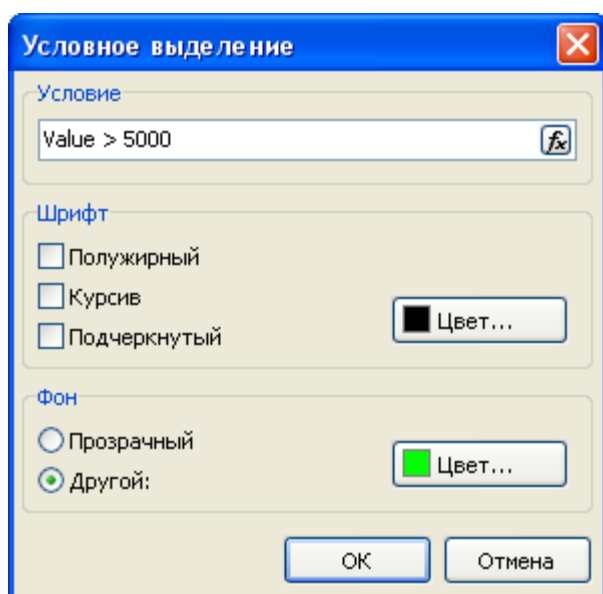
/ :
dd.mm.yyyy – 23.12.2003
dd mmm yyyy – 23 2003
dd mmmm yyyy – 23 2003
hh:mm – 23:12
hh:mm:ss – 23:12:00
dd mmmm yyyy, hh:mm – 23 2003, 23:12

#b (),
False, – True.



4.3

Group."ItemsTotal"



1221	Kauai Dive Shoppe	
1076	16.12.1994	17 781,00p.
1123	24.08.1993	13 945,00p.
1169	06.07.1994	9 471,95p.
1176	26.07.1994	4 178,85p.
1269	16.12.1994	1 400,00p.
1023	01.07.1988	4 674,00p.
		51 450,80p.

```

    <Group.ItemsTotal> > 5000.
    FastReport

```

4.4

ReportTitle: ReportTitle1	
[Список клиентов]	
MasterData: MasterData1	


$$\langle Line \rangle \bmod 2 = 1$$

```

:                                     C++Script ( .
    "                               C++Script:

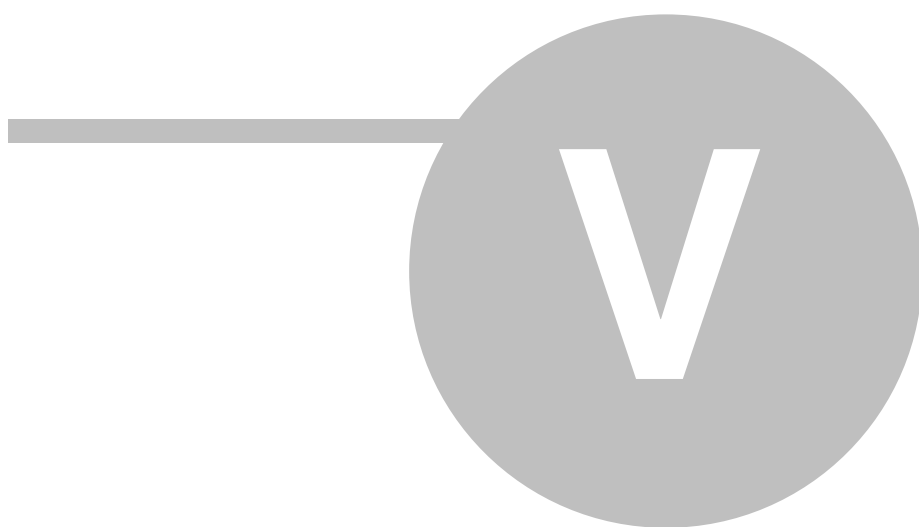
```

$$\langle Line \rangle \% 2 == 1$$

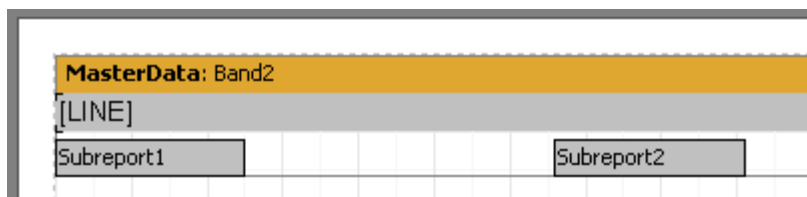
ReportTitle: ReportTitle1		
[Список клиентов]		
MasterData: MasterData1 		
[Customers."Company"]	[Customers."Phone"]	[Customers."FAX"]

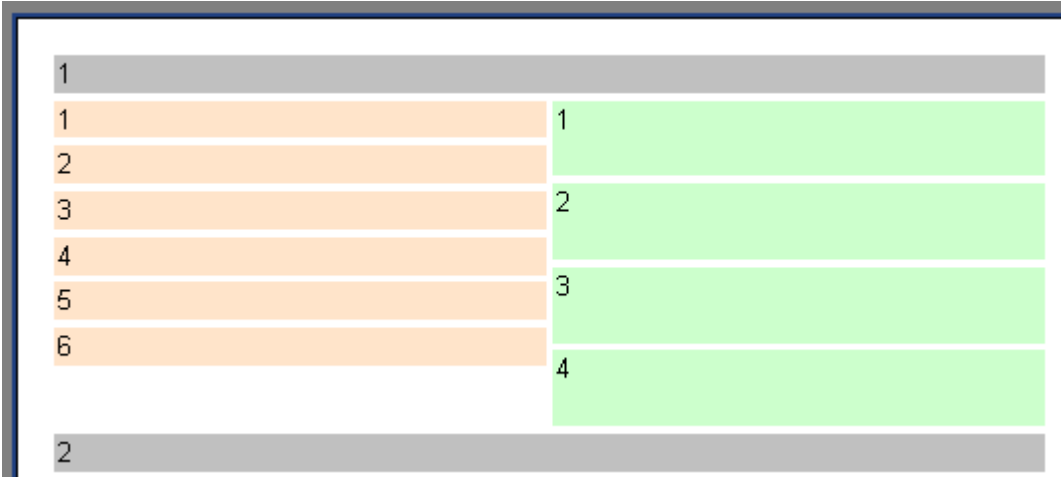
Список клиентов

Action Club	813-870-0239	813-870-0282
Action Diver Supply	22-44-500211	22-44-500596
Adventure Undersea	011-34-09054	011-34-09064
American SCUBA Supply	213-654-0092	213-654-0095
Aquatic Drama	613-442-7654	613-442-7678
Blue Glass Happiness	213-555-1984	213-555-1995



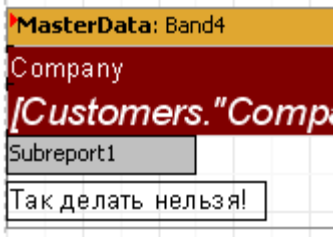
5.1





, FastReport

5.2



Company	
Action Club	
Order No 1014	Da
Так делать нельзя!	
7612	Kryp

(child) :

MasterData: Band4	
Company	
[Customers."Comp	
Subreport1	
Child: Child1	
А так можно.	

5.3

"

" (PrintOnParent)

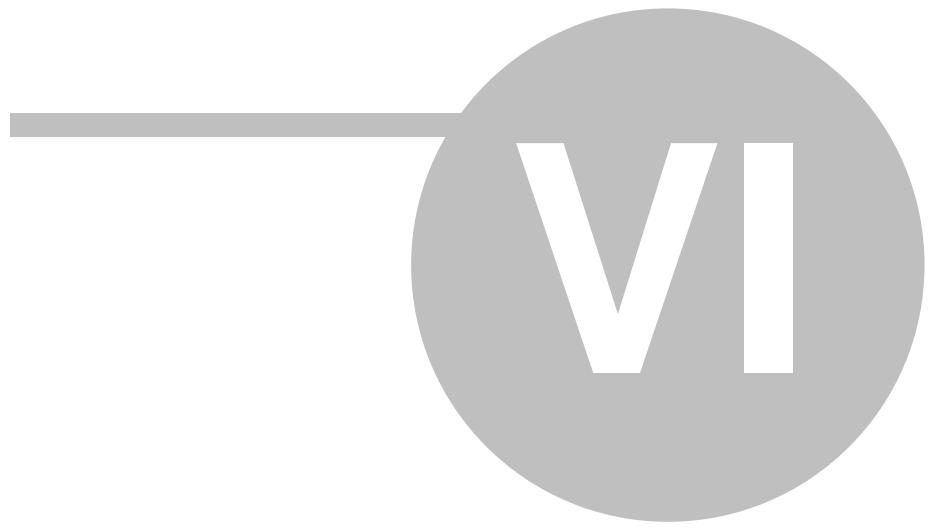
"

"

– PrintOnParent,

False.

	1
	2
	3
	4
	5
	6



```

-
.
FastReport,
-
,
, FastScript.
:
- PascalScript
- C++Script
- BasicScript
- JScript

FastScript :
- : , , (
) / /
( case, try/finally/except, with),
( , , variant), ( , ,
);
- (records, classes) ; (records),
(pointers), (sets) (
'IN' - "a in ['a'..'c','d']"), shortstring, (GOTO);
- ;
- .

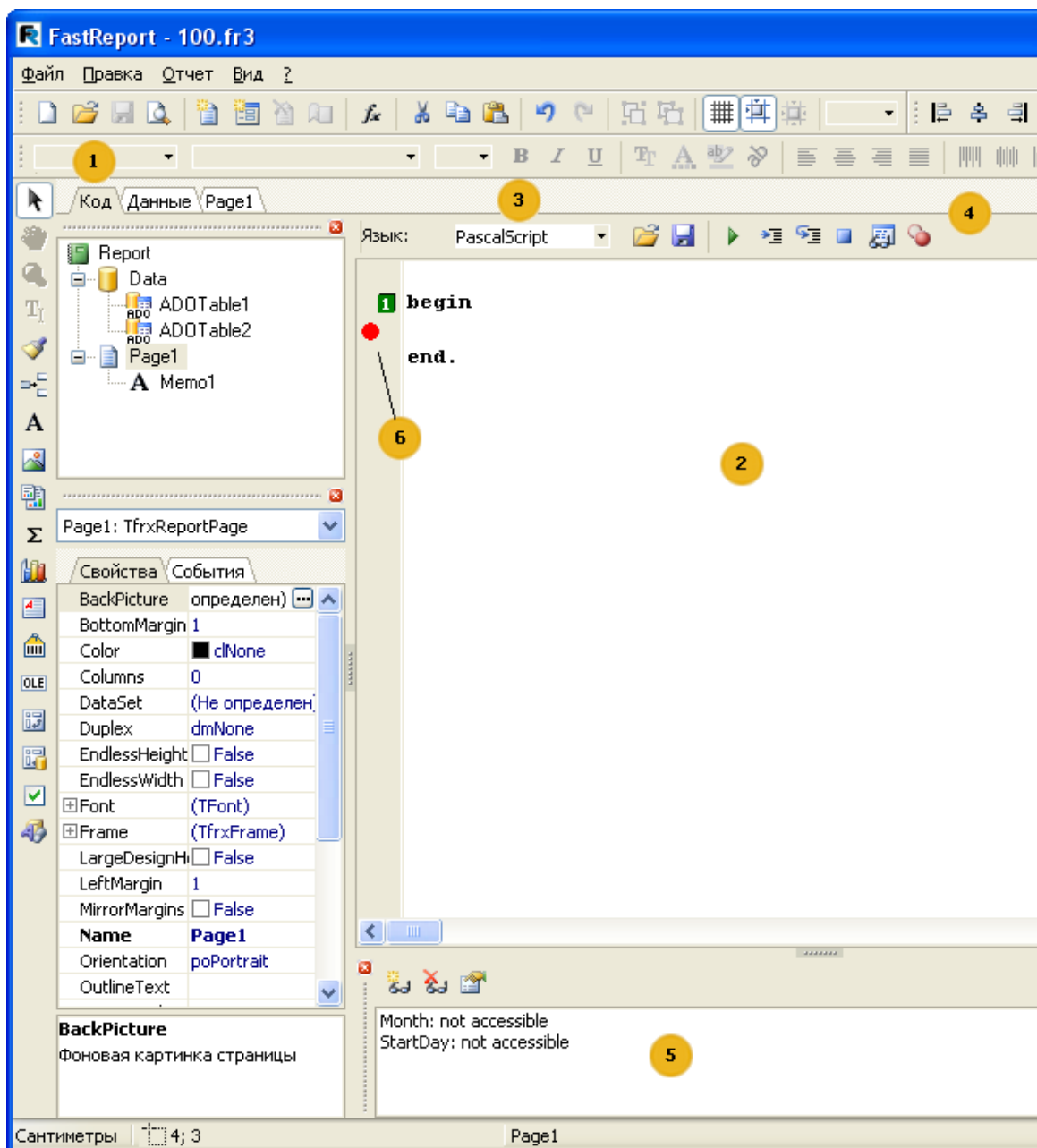
FastReport,
: Step, Breakpoint, Run to cursor, Evaluate.

```

6.1

```

" "
FastReport.
:
```





:

```

1 - " ";
2 - ;
3 - ;
4 - :
5 - ;
6 - ;
7 - (Run to cursor);
8 - (Step into);
9 - ;

```

 - (Evaluate);
 - /
 5 - Watches ;
 6 - (bookmark), (breakpoint),
 , ;

PageUp, PageDown	/
Ctrl+PageUp	
Ctrl+PageDown	
Home	
End	
Enter	
Delete	,
Backspace	
Ctrl+Y	
Ctrl+Z	(32)
Shift+	
Ctrl+A	
Ctrl+U	2
Ctrl+I	2
Ctrl+C, Ctrl+Insert	
Ctrl+V, Shift+Insert	
Ctrl+X, Shift+Delete	
Ctrl+Shift+< >	0..9
Ctrl+< >	
Ctrl+F	
Ctrl+R	

F3	/
F4	, (Run to cursor)
F5	(Toggle breakpoint)
Ctrl+F2	(Program reset)
Ctrl+F7	(Evaluate)
F9	(Run)
F7 F8	(Step into)
Ctrl+	,

6.2

```

        ,
        ,
        .
        :

```

PascalScript:

```

#language PascalScript //
program MyProgram; //

//      uses -
uses 'unit1.pas', 'unit2.pas';

var //      -
    i, j: Integer;

const //
    pi = 3.14159;

procedure p1; //
var
    i: Integer;

    procedure p2; //
    begin
    end;

begin
end;

begin //      .
end.

```


C++Script:

```

#language ++Script    //

//      include -
#include "unit1.cpp", "unit2.cpp"

int i, j = 0;          //      -

#define pi = 3.14159   //

void p1()              //
{                      //
}

{                      //      .
}

```

JScript:

```

#language JScript     //

//      import -
import "unit1.js", "unit2.js"

var i, j = 0;          //      -

function p1()          //
{                      //
}

//                      //      .

p1();
for (i = 0; i < 10; i++) j++;

```

BasicScript:

```

#language BasicScript //

//      imports -
imports "unit1.vb", "unit2.vb"

Dim i, j = 0           //      -

Function p1()          //
{                      //
}

//                      //      .

For i = 0 To 10
    p1()
Next

```

FastScript

```

-      :
-      ;
-      ,      ,      ,      ;
-      ;
-      ,      .

```

PascalScript.

.

6.3 "Hello, World!"

"Hello, World!" –

,

,

.

"

",

FastReport

"

"

.

:

*PascalScript:***begin**

ShowMessage('Hello, World!');

end.*C++ Script:*

```

{
  ShowMessage("Hello, World!");
}

```

, FastReport

.

:



.

,

begin..end.

").

6.4

Page1

Memor1 –

, :

PascalScript:

Memor1.Color := clRed

C++Script:

Memor1.Color = clRed

" " , ?
– , ()
FastReport,
" " MyTextObject
:

PascalScript:

begin

MyTextObject.Color := clRed
end.

C++Script:

```
{
  MyTextObject.Color = clRed
}
```

6.5

```
( " | ' ...").
:
```

PascalScript:

```
if <my variable> = 10 then ...
```

C++ Script:

```
if (<my variable> == 10) { ... }
```

—

Get:

PascalScript:

```
if Get('my variable') = 10 then ...
```

C++ Script:

```
if (Get("my variable") == 10) { ... }
```

Set:

PascalScript:

```
Set('my variable', 10);
```

C++ Script:

```
Set("my variable", 10);
```

Page#:

PascalScript:

```
if <Page#> = 1 then ...
```

C++ Script:

```
if (<Page#> == 1) { ... }
```

6.6

PascalScript:

```
if <Table1."Field1"> = Null then...
```

C++ Script:

```
if (<Table1."Field1"> == Null) { ... }
```

```
Get (
    ,
    ,
    ).
```

6.7

```
"",
-
(
    "
"),
.
,
```

6.8

PascalScript:

```
var
  MyVariable: String;
begin
  MyVariable := 'Hello!';
end.
```

C++ Script:

```
string MyVariable;

{
  MyVariable = "Hello!";
```

```

}

[MyVariable].

```

```

, . . .
, . . .
.

```

6.9

```

,
.
-
, .
.
,
-
,
, . . .
-
.
,
" 1 " " " :

```

MasterData: Band4	
[Customers."Company"]	[Customers."Addr1"]

```

,
.
OnStartReport " ".
OnBeforePrint.
(
!).
, . . .

```

```

1. OnBeforePrint;
2. OnBeforePrint , ;
3. ( -
Company Addr1), OnAfterData ;
4. (
) (
);

```

```

5.                OnAfterCalcHeight;
6.                ,
;
7.                ;
8.                OnAfterPrint ;
9.                OnAfterPrint .
,
,
.
OnAfterPrint
OnStopReport " ".
,
,
.
—
,
OnBeforePrint —
,
,
.
—
,
4.
OnAfterCalcHeight 5 OnAfterPrint 8,
,
,
.

```

6.10

OnBeforePrint

```

.
—
,
" ".

```

```

Delphi, TTable,
TfrxDBDataSet, TfrxReport :

```

```

Table1:
DatabaseName = 'DBDEMOS'
TableName = 'customer.db'

```

```

frxDBDataSet1:
DataSet = Table1
UserName = 'Customers'

```

```

:
```

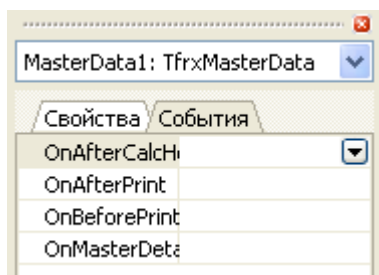
MasterData: MasterData1									
[Customers."Company"]								[Customers."Addr1"]	

:

 -

 "

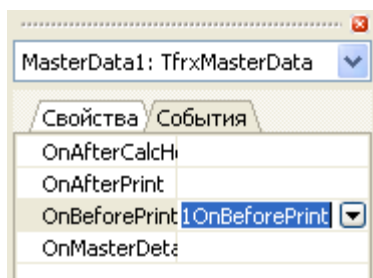
 "



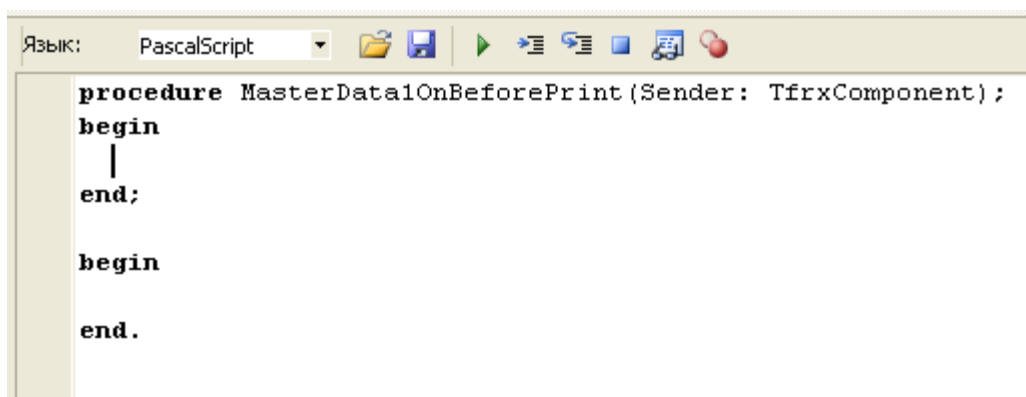
OnBeforePrint (

),

 :



" ":



, Delphi.

:

PascalScript:

```

if Copy(<Customers."Company">, 1, 1) = 'A' then
    MasterData1.Visible := True else
    MasterData1.Visible := False;

```

C++Script:

```

if (Copy(<Customers."Company">, 1, 1) == "A")
    MasterData1.Visible = true;
else
    MasterData1.Visible = false;

```

,

:

Action Club	Michael Spurling	813-870-0239
Action Diver Supply	Marianne Miles	22-44-500211
Adventure Undersea	Gloria Gonzales	011-34-09054
American SCUBA Supply	Lynn Cinciripini	213-654-0092
Aquatic Drama	Gillian Owen	613-442-7654

.

—

Sender

,

(

Sender

Delphi).

,

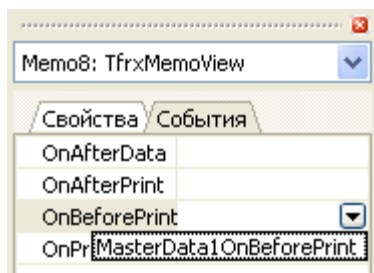
,

—

,

,

Delphi:



—

Delete.

Query1:
DatabaseName = 'DBDEMOS'
SQL =
*select * from customer, orders*
where orders.CustNo = customer.CustNo
order by customer.CustNo, orders.OrderNo

```
frxDBDataSet1:
  DataSet = Query1
  UserName = 'Group'
```

```

    (
        " " | "..."
        : " "
        " "
        1
        " "
        Group.CustNo.
        -
        :
    )

```

GroupHeader: GroupHeader1

Group."CustNo"	Group."Company"	
----------------	-----------------	--

MasterData: MasterData1

Group."OrderNo"	Group."SaleDate"	Group."ItemsTotal"
-----------------	------------------	--------------------

GroupFooter: GroupFooter1

[SUM(<Group."ItemsTotal">,MasterData1)]

1.

TStringList.

.

,

,

.

,

:

PascalScript:

```

var
  List: TStringList;
  i: Integer;

procedure frxReport1OnStartReport(Sender: TfrxComponent);
begin
  List := TStringList.Create;
end;

procedure frxReport1OnStopReport(Sender: TfrxComponent);
begin
  List.Free;
end;

procedure Page1OnBeforePrint(Sender: TfrxComponent);
begin
  i := 0;
end;

procedure GroupHeader1OnBeforePrint(Sender: TfrxComponent);
begin
  if Engine.FinalPass then
    Memo8.Text := 'Sum: ' + List[i];
end;

procedure GroupFooter1OnBeforePrint(Sender: TfrxComponent);
begin
  if not Engine.FinalPass then
    List.Add(FloatToStr(SUM(<Group."ItemsTotal">,MasterData1)));
    Inc(i);
end;

begin

end.

```

C++ Script:

```

TStringList List;
int i;

```

```

void frxReport1OnStartReport(TfrxComponent Sender)
{
    List = TStringList.Create();
}

void frxReport1OnStopReport(TfrxComponent Sender)
{
    List.Free();
}

void Page1OnBeforePrint(TfrxComponent Sender)
{
    i = 0;
}

void GroupHeader1OnBeforePrint(TfrxComponent Sender)
{
    if (Engine.FinalPass)
        Memo8.Text = "Sum: " + List[i];
}

void GroupFooter1OnBeforePrint(TfrxComponent Sender)
{
    List.Add(FloatToStr(SUM(<Group."ItemsTotal">,MasterData1)));
    i++;
}

{
}

Report.OnStartReport,          Report.OnStopReport,          :
GroupHeader1.OnBeforePrint,    GroupFooter1.OnBeforePrint.    Page1.OnBeforePrint,
    ,          ,          ,          ,
    "      "      "      "      _      ,
    "      "      "      "      _      -
    "      "      "      "      "      .

                                List
                                ,
                                OnStartReport?          ,
                                OnStartReport,          OnStopReport.          (
                                )
                                .
                                List          .
                                0          (          i)
                                GroupFooter1.OnBeforePrint).          (

```

GroupHeader1.OnBeforePrint
 (Engine.FinalPass). (,
 List), Memo8,
 , :
 .

1221	Kauai Dive Shoppe	Sum: 51450,8
1023	01.07.88	4 674,00p.
1076	16.12.94	17 781,00p.
1123	24.08.93	13 945,00p.
1169	06.07.94	9 471,95p.
1176	26.07.94	4 178,85p.
1269	16.12.94	1 400,00p.
		51 450,80p.

2.

Get Set.

:

PascalScript:

```

procedure GroupHeader1OnBeforePrint(Sender: TfrxComponent);
begin
  if Engine.FinalPass then
    Memo8.Text := 'Sum: ' + Get(<Group."CustNo">);
end;

procedure GroupFooter1OnBeforePrint(Sender: TfrxComponent);
begin
  Set(<Group."CustNo">,
    FloatToStr(SUM(<Group."ItemsTotal">,MasterData1)));
end;

begin
end.

```

C++ Script:

```

void GroupHeader1OnBeforePrint(TfrxComponent Sender)

```

```

{
  if (Engine.FinalPass)
    Memo8.Text = "Sum:" + Get(<Group."CustNo">);
}

void GroupFooter1OnBeforePrint(TfrxComponent Sender)
{
  Set(<Group."CustNo">,
    FloatToStr(SUM(<Group."ItemsTotal">,MasterData1)));
}

{
}

GroupFooter1.OnBeforePrint
(
  ,
  <Group."Company">).

GroupHeader1.OnBeforePrint
.

```

6.12 OnAfterData

```

,
.
,
Value,
" "
[Table1."Field1"] [<Table2."Field1"> + 10],
Value:

```

PascalScript:

```

if Value > 3000 then
  Memo1.Color := clRed

```

C++ Script:

```

if (Value > 3000)
  Memo1.Color = clRed;

```

```

, - :
```

PascalScript:

```

if <Table1."Field1"> > 3000 then
  Memo1.Color := clRed

```

C++ Script:

```
if (<Table1."Field1"> > 3000)
    Memo1.Color = clRed;
```

, Value OnAfterData .

[expr1] [expr2] – Value ,

6.13

.), (, , " "

. Engine.

:

- Report – " ";

- Engine – ;

- Outline – " "

.

.

6.13.1 Report

, " " " " "

:

function Calc(const Expr: String): Variant	Expr, 3. FastReport

```
function GetDataSet(const Alias:
String): TfrxDataSet
.
( " | ...").
```

6.13.2 Engine

(FastReport, <http://www.fast-report.com/Products/FastReport.aspx>).

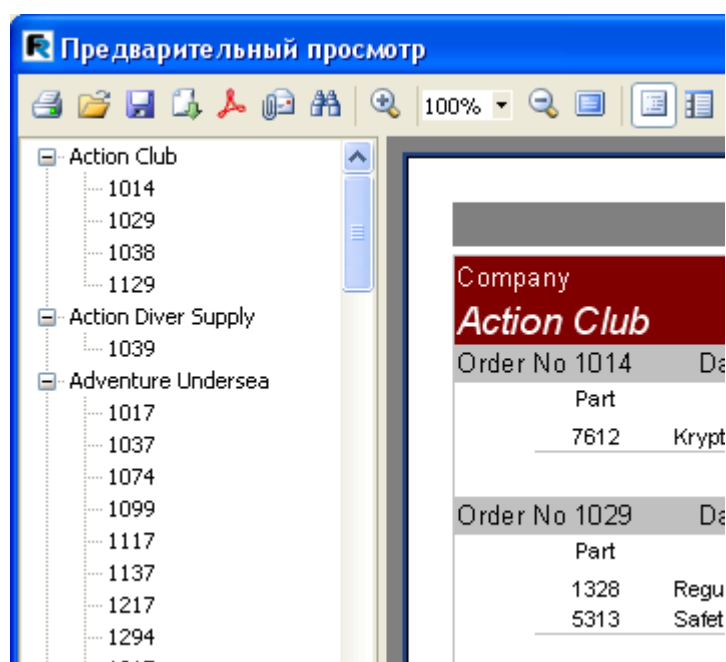
CurColumn	Integer	
CurX	Extended	X.
CurY	Extended	Y.
DoublePass	Boolean	True, Report.EngineOptions.DoublePass.
FinalPass	Boolean	True,
PageHeight	Extended	,
PageWidth	Extended	,
StartDate	TDateTime	<Date>.
StartTime	TDateTime	<Time>.
TotalPages	Integer	<TotalPages>.

$$\vdots$$

procedure AddAnchor(const Text: String)	" "
procedure NewColumn	
procedure NewPage	(
procedure ShowBand(Band: TfrxBand)).
	CurY.
function FreeSpace: Extended	,
function GetAnchorPage(const Text: String): Integer	,
	.

6.13.3 Outline

" "





Report.PreviewOptions.OutlineVisible = True.

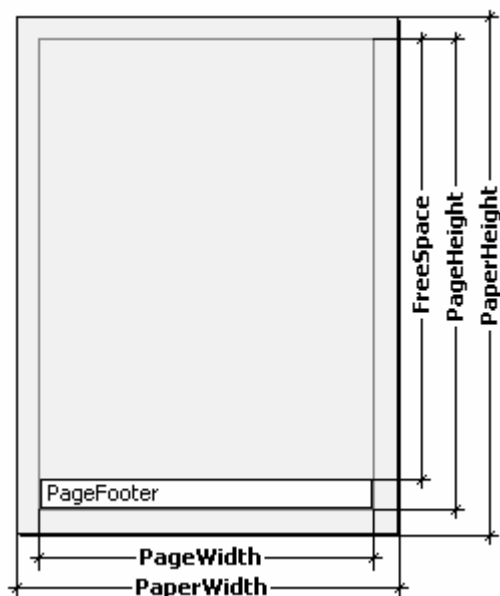
Report.PreviewOptions.OutlineWidth.

<code>procedure AddItem(const Text: String)</code>	Text
<code>procedure LevelRoot</code>	
<code>procedure LevelUp</code>	1

6.14

Engine

Engine



PaperWidth, PaperHeight.

210 297 . , 4

PageWidth, PageHeight

LeftMargin, TopMargin, RightMargin, BottomMargin.

Engine.PageWidth, Engine.PageHeight.

FreeSpace

" (Page Footer),

FreeSpace.

Engine.FreeSpace.

FreeSpace.

? FastReport

" ()

Engine.CurX, Engine.CurY.

X Y.

CurY

CurY = 0.

CurX

Engine.CurX, Engine.CurY

MasterData: MasterData1

Customers."Company"	Customers."Contact"	Customers."Phone"
---------------------	---------------------	-------------------

:

Action Club	Michael Spurling	813-870-0239
Action Diver Supply	Marianne Miles	22-44-500211
Adventure Undersea	Gloria Gonzales	011-34-09054
American SCUBA Supply	Lynn Cinciripini	213-654-0092
Aquatic Drama	Gillian Owen	613-442-7654
Blue Glass Happiness	Christine Taylor	213-555-1984

OnBeforePrint

PascalScript:

```
procedure MasterData1OnBeforePrint(Sender: TfrxComponent);
begin
  Engine.CurX := Engine.CurX + 5;
end;
```

C++ Script:

```
void MasterData1OnBeforePrint(TfrxComponent Sender)
{
  Engine.CurX = Engine.CurX + 5;
}
```

CurY

Action Club	Michael Spurling	813-870-0239
Action Diver Supply	Marianne Miles	22-44-500211
Adventure Undersea	Gloria Gonzales	011-34-09054
American SCUBA Supply	Lynn Cinciripini	213-654-0092
Aquatic Drama	Gillian Owen	613-442-7654
Blue Glass Happiness	Christine Taylor	213-555-1984
Blue Jack Aqua Center	Ernest Barratt	401-609-7673
Blue Kites Club	Debra Klinec	819-267-8504

:

PascalScript:

```

procedure MasterData1OnBeforePrint(Sender: TfrxComponent);
begin
    Engine.CurY := Engine.CurY - 15;
end;

```

C++ Script:

```

void MasterData1OnBeforePrint(TfrxComponent Sender)
{
    Engine.CurY = Engine.CurY - 15;
}

```

Engine.NewPage

```

    ,
    :

```

PascalScript:

```

procedure MasterData1OnAfterPrint(Sender: TfrxComponent);
begin
    if <Line> = 2 then
        Engine.NewPage;
end;

```

C++ Script:

```

void MasterData1OnAfterPrint(TfrxComponent Sender)
{
    if (<Line> == 2)
        Engine.NewPage();
}

```

```

    - OnAfterPrint, . .
    , Line, ,
    .

```

Engine.NewColumn

```

    .
    .

```

6.15

```

    (anchor) -
    (
    )
    ,
    .

```

Engine.AddAnchor.

URL

#

#[]

FastReport

Customer.db.

ReportTitle: ReportTitle1	
	[Table of contents]
MasterData: MasterData1	
Customers	
Customers."Company"	

URL

#[Customers."Company"]

ReportTitle: ReportTitle2			
Customers			
PageHeader: PageHeader1			
Company	Address	Contact	Phone
MasterData: MasterData2			
Customers			
Customers."Company"	Customers."Addr1"	Customers."Contact"	Customers."Ph

, MasterData2.OnBeforePrint :

PascalScript:

```
procedure MasterData2OnBeforePrint(Sender: TfrxComponent);
begin
  Engine.AddAnchor(<Customers."Company">);
end;
```

C++ Script:

```
void MasterData2OnBeforePrint(TfrxComponent Sender)
{
  Engine.AddAnchor(<Customers."Company">);
}
```

```

, . , , " "
.
, , Engine.GetAnchorPage.
, , " ".
.
.
```

6.16

Outline

```

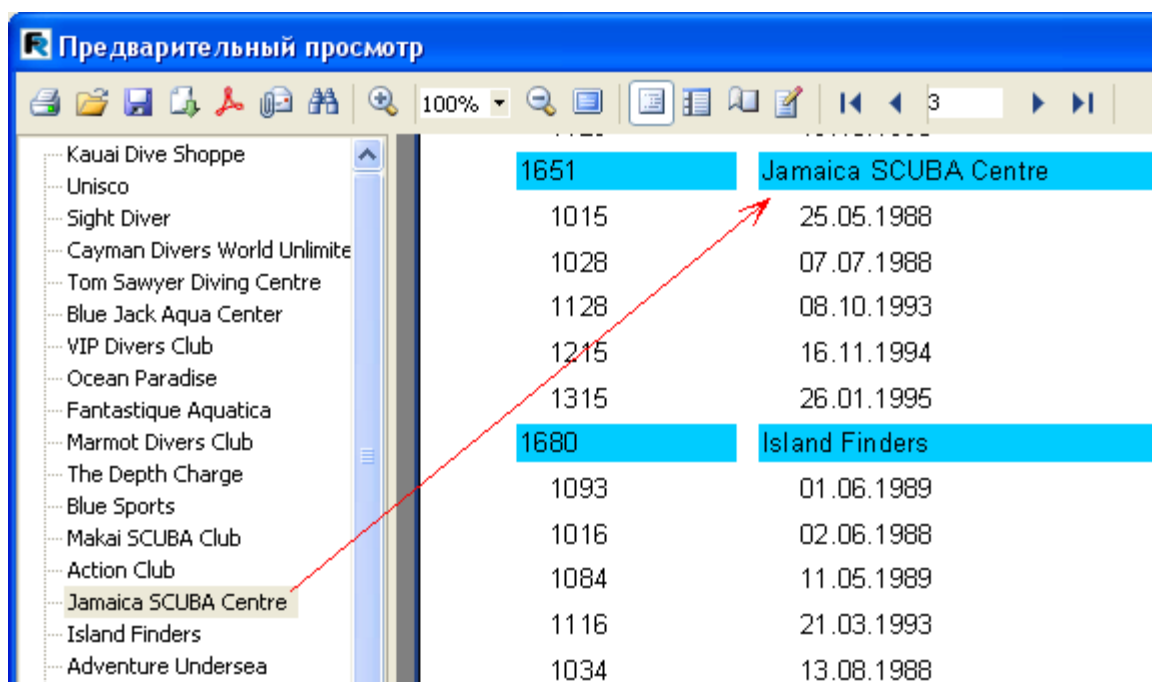
Outline, ,
.
Outline
, .
Outline,
```

OutlineText,

GroupHeader: GroupHeader1		Group."CustNo"
Group."CustNo"	Group."Company"	
MasterData: MasterData1		Group
Group."OrderNo"	Group."SaleDate"	

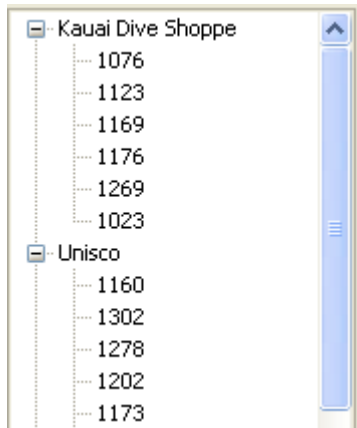
<Group."Company">. GroupHeader1.OutlineText
:

Предварительный просмотр



Kauai Dive Shoppe	1651	Jamaica SCUBA Centre
Unisco	1015	25.05.1988
Sight Diver	1028	07.07.1988
Cayman Divers World Unlimite	1128	08.10.1993
Tom Sawyer Diving Centre	1215	16.11.1994
Blue Jack Aqua Center	1315	26.01.1995
VIP Divers Club	1680	Island Finders
Ocean Paradise	1093	01.06.1989
Fantastique Aquatica	1016	02.06.1988
Marmot Divers Club	1084	11.05.1989
The Depth Charge	1116	21.03.1993
Blue Sports	1034	13.08.1988
Makai SCUBA Club		
Action Club		
Jamaica SCUBA Centre		
Island Finders		
Adventure Undersea		

<Group."OrderNo">. MasterData.OutlineText
:



OutlineText.

OutlineText
 GroupHeader1.OnBeforePrint MasterData1.OnBeforePrint:

PascalScript:

```
procedure GroupHeader1OnBeforePrint(Sender: TfrxComponent);
begin
    Outline.LevelRoot;
    Outline.AddItem(<Group. "Company">);
end;

procedure MasterData1OnBeforePrint(Sender: TfrxComponent);
begin
    Outline.AddItem(<Group. "OrderNo">);
    Outline.LevelUp;
end;

begin

end.
```

C++ Script:

```
void GroupHeader1OnBeforePrint(TfrxComponent Sender)
{
    Outline.LevelRoot;
    Outline.AddItem(<Group. "Company">);
}

void MasterData1OnBeforePrint(TfrxComponent Sender)
{
```

AddItem,

" "

Outline LevelUp LevelRoot.

,

```

. .      Item4
LevelRoot      .      ,      Item2.

```

• •

© 1998-2006 Fast Reports Inc.

Item2
Item3
Item4

Outline.LevelUp.

6.17 OnManualBuild

```
graph TD
    FastReport --> OnManualBuild
    OnManualBuild --> FastReport
```

ReportTitle: ReportTitle1									
[OnManualBuild test]									
MasterData: MasterData1									
MasterData1									
MasterData: MasterData2									
MasterData2									
PageFooter: PageFooter1									

6

PascalScript:

```

procedure Page1OnManualBuild(Sender: TfrxComponent);
var
    i: Integer;
begin
    for i := 1 to 6 do
    begin
        {
        Engine.ShowBand(MasterData1);
        Engine.ShowBand(MasterData2);
        }
        if i = 3 then
            Engine.CurY := Engine.CurY + 10;
    end;
end;

```

C++ Script:

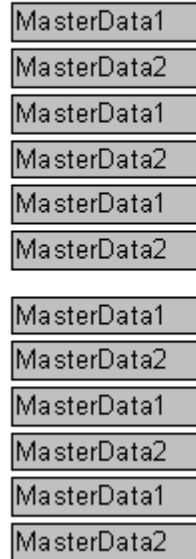
```

void Page1OnManualBuild(TfrxComponent Sender)
{
    int i;

    for (i = 1; i <= 6; i++)
    {
        //
        Engine.ShowBand(MasterData1);
        Engine.ShowBand(MasterData2);
        //
        if (i == 3)
            Engine.CurY = Engine.CurY + 10;
    }
}

```

}

OnManualBuild test*PascalScript:*

```

procedure Page1OnManualBuild(Sender: TfrxComponent);
var
    i, j: Integer;
    SaveY: Extended;
begin
    SaveY := Engine.CurY;
    for j := 1 to 2 do
    begin
        for i := 1 to 6 do
        begin
            Engine.ShowBand(MasterData1);
            Engine.ShowBand(MasterData2);
            if i = 3 then
                Engine.CurY := Engine.CurY + 10;
            end;
            Engine.CurY := SaveY;
            Engine.CurX := Engine.CurX + 200;
        end;
    end;
end;

```

C++Script:

```

void Page1OnManualBuild(TfrxComponent Sender)
{
    int i, j;
    Extended SaveY;

    SaveY = Engine.CurY;
    for (j = 1; j <= 2; j++)
    {
        for (i = 1; i <= 6; i++)
        {
            Engine.ShowBand(MasterData1);
            Engine.ShowBand(MasterData2);
            if (i == 3)
                Engine.CurY = Engine.CurY + 10;
        }
        Engine.CurY = SaveY;
        Engine.CurX = Engine.CurX + 200;
    }
}

```

OnManualBuild test

MasterData1	MasterData1
MasterData2	MasterData2
MasterData1	MasterData1
MasterData2	MasterData2
MasterData1	MasterData1
MasterData2	MasterData2
MasterData1	MasterData1
MasterData2	MasterData2
MasterData1	MasterData1
MasterData2	MasterData2
MasterData1	MasterData1
MasterData2	MasterData2

(, " , ") - .

, , " " (OnManualBuild.

- .

ReportTitle: Band1		
Customers		
PageHeader: Band2		
Company	Contact	Phone
MasterData: MasterData1		
[Customers."Company"]	[Customers."Contact"]	[Customers."Ph"]
PageFooter: Band3		

:

PascalScript:

```

procedure Page1OnManualBuild(Sender: TfrxComponent);
var
    DataSet: TfrxDataSet;
begin
    DataSet := MasterData1.DataSet;
    DataSet.First;
    while not DataSet.Eof do
    begin
        Engine.ShowBand(MasterData1);
        DataSet.Next;
    end;
end;

```

C++Script:

```

void Page1OnManualBuild(TfrxComponent Sender)
{
    TfrxDataSet DataSet;

    DataSet = MasterData1.DataSet;
    DataSet.First();
    while (!DataSet.Eof)
    {
        Engine.ShowBand(MasterData1);
        DataSet.Next();
    }
}

```

, , ,

Dataset:

```
DataSet := MasterData1.DataSet;
```

```
:
```

```
DataSet := Report.GetDataSet('Customers');
```

```
" | ' ...".
```

6.18

```
,
.
:
```

PascalScript:

```
var
  Band: TfrxReportTitle;
  Memo: TfrxMemoView;
begin
  Band := TfrxReportTitle.Create(Page1);
  Band.Height := 20;
  Memo := TfrxMemoView.Create(Band);
  Memo.SetBounds(10, 0, 100, 20);
  Memo.Text := 'This memo is created in code';
end.
```

C++ Script:

```
TfrxReportTitle Band;
TfrxMemoView Memo;
{
  Band = TfrxReportTitle.Create(Page1);
  Band.Height = 20;
  Memo = TfrxMemoView.Create(Band);
  Memo.SetBounds(10, 0, 100, 20);
  Memo.Text = "This memo is created in code";
}
```

```
:
```


This memo is created in code



, ...
 ,
 . ,
 " " .
 :

	1	2	3	4
a	a1	a2	a3	a4
b	b1	b2	b3	b4

a, b – , 1, 2, 3, 4 – , a1..a4, b1..b4 – .
 , (:
),

a	1	a1
a	2	a2
a	3	a3
a	4	a4
b	1	b1
b	2	b2
b	3	b3
b	4	b4

, – ,
 –
 .
 FastReport
 .
 :

	10		20	
	1	2	1	2
a	a10.1	a10.2	a20.1	a20.2
b	b10.1	b10.2	b20.1	b20.2

, , – , ...
 :

```

a      10      1      a10.1
a      10      2      a10.2
a      20      1      a20.1
a      20      2      a20.2
b      10      1      b10.1
b      10      2      b10.2
b      20      1      b20.1
b      20      2      b20.2

```

FastReport

	10	10	20	20
	1	2	1	2
a	a10.1	a10.2	a20.1	a20.2
b	b10.1	b10.2	b20.1	b20.2

FastReport

	10			20			Итого
	1	2	Итого	1	2	Итого	
a	a10.1	a10.2	a10.1+a10.2	a20.1	a20.2	a20.1+a20.2	sum(a)
b	b10.1	b10.2	b10.1+b10.2	b20.1	b20.2	b20.1+b20.2	sum(b)
Итого	a10.1+b10.1	a10.2+b10.2	a10.1+b10.1+a10.2+b10.2	a20.1+b20.1	a20.2+b20.2	a20.1+b20.1+a20.2+b20.2	sum(a)+sum(b)

7.1

crosstest,

FastReport DEMOS\MAIN.

:

<u>Name</u>	<u>Year</u>	<u>Salary</u>
Ann	1999	3300
Ben	2002	2000
....		

```

, Delphi,
TTable, TfrxDBDataSet, TfrxReport
:
```

Table1:

```

DatabaseName = 'c:\Program Files\FastReports\FastReport 3\Demos\Main'
TableName = 'crosstest.db'
```


```

, DatabaseName
FastReport!
```

```

frxDBDataSet1:
DataSet = Table1
UserName = 'SimpleCross'
```

```

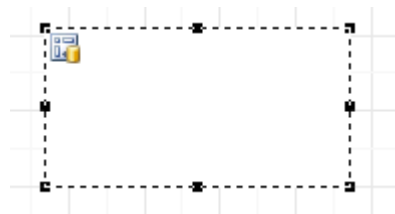
TfrxCrossObject  FastReport.
"uses"
frxCross -
```

```

" | ..."
```

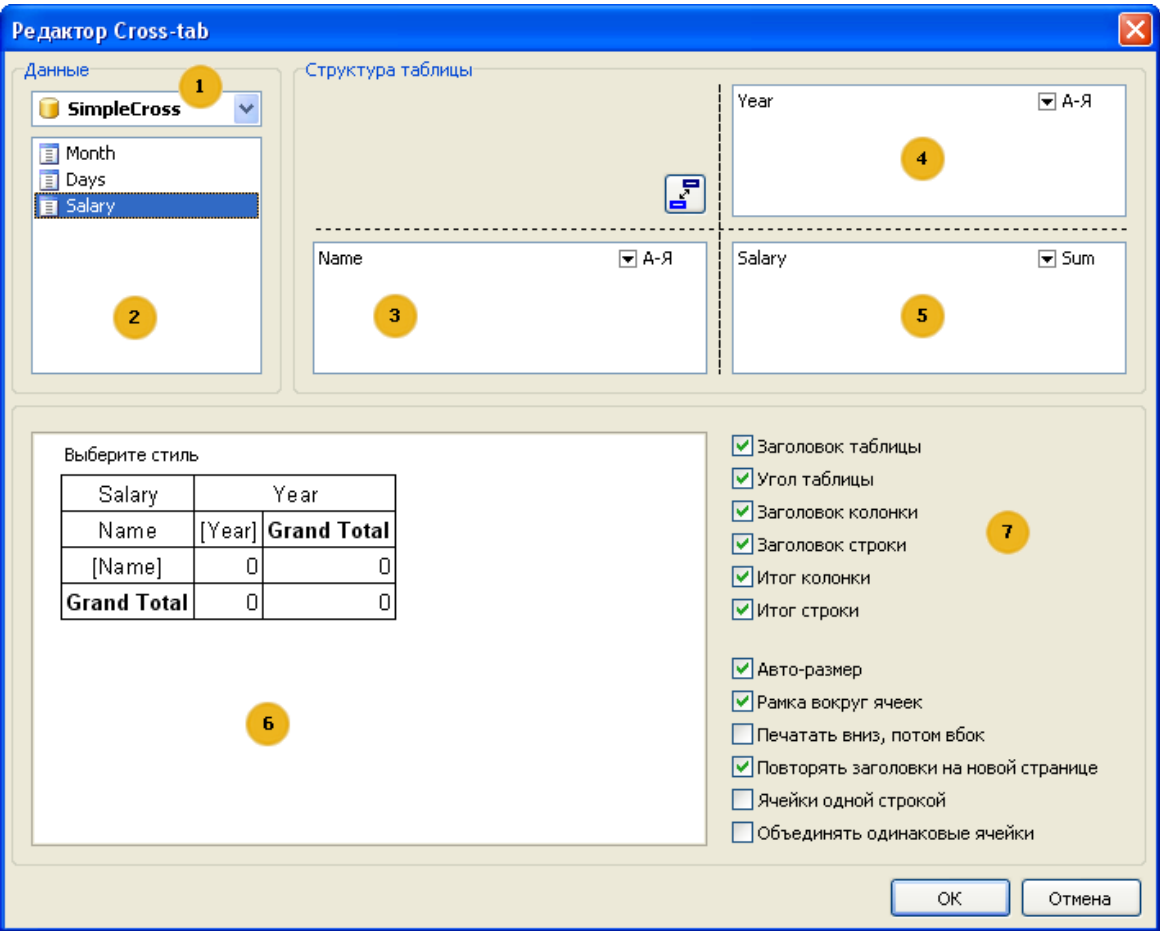
```

" - " 
```

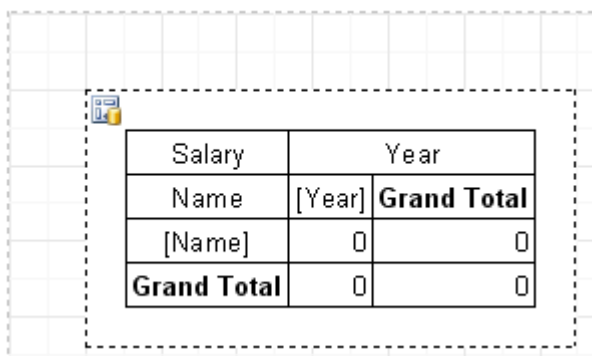


:

,



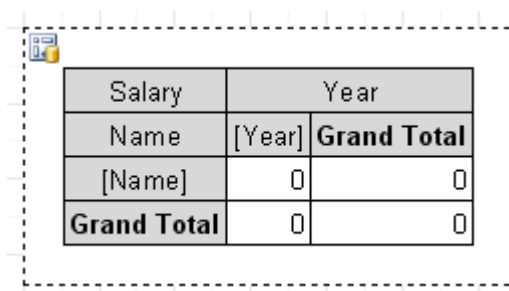
- 1 – ;
- 2 – .
- 3, 4, 5;
- 3 – , ;
- 4 – , ;
- 5 – , ;
- 6 – .
- 7 – .
- 2 3, 4, 5, .
- .
- :



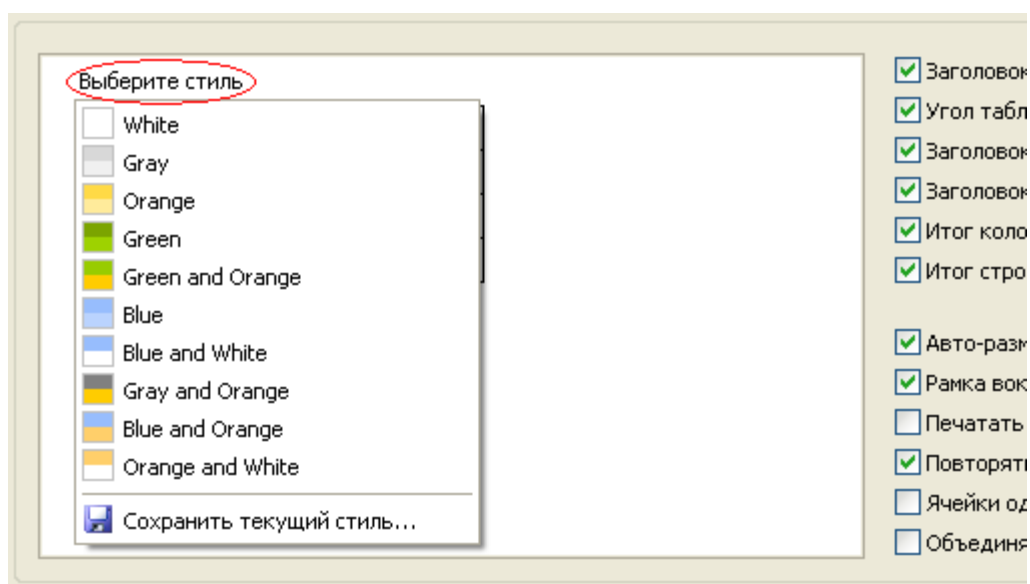
Salary	Year	
Name	[Year]	Grand Total
[Name]	0	0
Grand Total	0	0

Salary	Year				
Name	1999	2000	2001	2002	Grand Total
Ann	3300	2700	3100	1700	10800
Ben	3900	2100		1800	7800
Catherine	6100	3200			9300
Den		3999	8100		12099
Grand Total	13300	11999	11200	3500	39999

7.2



Salary	Year	
Name	[Year]	Grand Total
[Name]	0	0
Grand Total	0	0

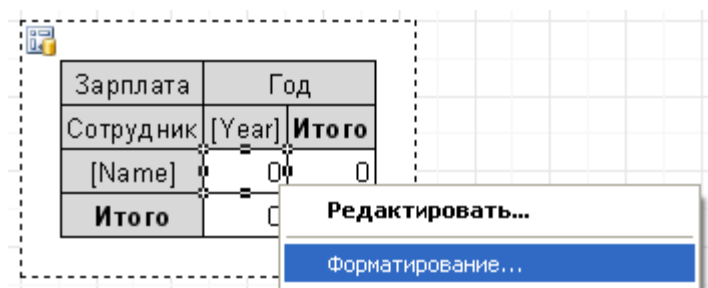


Зарплата	Год	
Сотрудник	[Year]	Итого
[Name]	0	0
Итого	0	0

[Year] [Name]),

"

...".



Зарплата	Год				
Сотрудник	1999	2000	2001	2002	Итого
Ann	3 300,00р.	2 700,00р.	3 100,00р.	1 700,00р.	10 800,00р.
Ben	3 900,00р.	2 100,00р.		1 800,00р.	7 800,00р.
Catherine	6 100,00р.	3 200,00р.			9 300,00р.
Den		3 999,00р.	8 100,00р.		12 099,00р.
Итого	13 300,00р.	11 999,00р.	11 200,00р.	3 500,00р.	39 999,00р.

,
 , : \$%2.2n. ? ;)

7.3

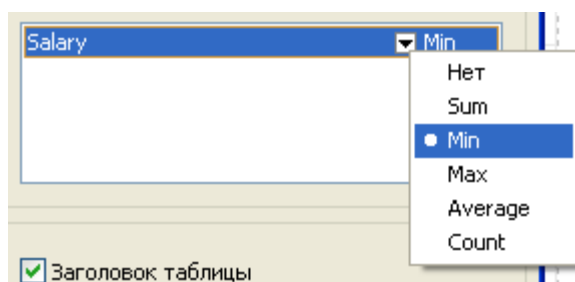
" "

:

MIN –
 MAX –
 AVG –
 COUNT –

MIN

"Salary"



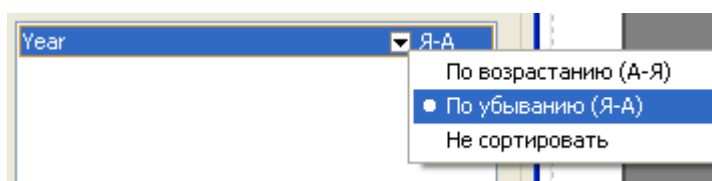
MIN.

" " " " :
 " :

Зарплата	Год				
Сотрудник	1999	2000	2001	2002	Минимум
Ann	3 300,00р.	2 700,00р.	3 100,00р.	1 700,00р.	1 700,00р.
Ben	3 900,00р.	2 100,00р.		1 800,00р.	1 800,00р.
Catherine	6 100,00р.	3 200,00р.			3 200,00р.
Den		3 999,00р.	8 100,00р.		3 999,00р.
Минимум	3 300,00р.	2 100,00р.	3 100,00р.	1 700,00р.	1 700,00р.

7.4

"Year".



Зарплата	Год				
Сотрудник	2002	2001	2000	1999	Итого
Ann	1 700,00р.	3 100,00р.	2 700,00р.	3 300,00р.	10 800,00р.
Ben	1 800,00р.		2 100,00р.	3 900,00р.	7 800,00р.
Catherine			3 200,00р.	6 100,00р.	9 300,00р.
Den		8 100,00р.	3 999,00р.		12 099,00р.
Итого	3 500,00р.	11 200,00р.	11 999,00р.	13 300,00р.	39 999,00р.

7.5

<u>Name</u>	<u>Year</u>	<u>Month</u>	<u>Days</u>	<u>Salary</u>
Ann	1999	2	3	1000
Ben	2002	1	5	2000
....				

– Month Days,

"Month":

Структура таблицы

Year

☒ Подитоги

▼

А-Я

Month

▼

А-Я

Name

▼

А-Я

Salary

▼

Sum

"Grand total"

"Total" " ".

Зарплата	Год, Месяц															
Сотрудник	1999					2000				2001				2002		Итого
	2	10	11	12	Итого	1	2	3	Итого	1	2	3	Итого	1	Итого	
Ann	1000		1100	1200	3300	1300	1400		2700		1500	1600	3100	1700	1700	10800
Ben		1900	2000		3900		2100		2100				0	1800	1800	7800
Catherine		3000	3100		6100			3200	3200				0		0	9300
Den					0	3999			3999	4000	4100		8100		0	12099
Итого	1000	4900	6200	1200	13300	5299	3500	3200	11999	4000	5600	1600	11200	3500	3500	39999

FastReport

"Year"

Year	<input checked="" type="checkbox"/> Подитоги	▼ А-Я
Month		▼ А-Я

[Value]

"Value"

Зарплата	Год, Месяц								
Сотрудник	1999					2000			
	2	10	11	12	Итого за 1999	1	2	3	Итого за 2000
Ann	1000		1100	1200	3300	1300	1400		2700
Ben		1900	2000		3900		2100		2100
Catherine		3000	3100		6100			3200	3200
Den					0	3999			3999
Итого	1000	4900	6200	1200	13300	5299	3500	3200	11999

7.6

FastReport

? 3

[Value]

Зарплата					
Сотрудник	1999				
	2	10	11	12	Итого за 1999
Ann	1000		1100	1200	3300
Ben		1900	2000		3900
Catherine		3000	3100		6100
Den					0
Итого	1000	4900	6200	1200	13300

MaxWidth (

MinWidth
).

MinWidth = 0, MaxWidth = 200.

MinWidth = MaxWidth = 50.

50

MinWidth,
MaxWidth,

	1999				Итого за 1999
	2	10	11	12	
Ann	1000		1100	1200	3300
Ben		2100	2200		4300
Catherine		3000	3100		6100
Den					0
Итого	1000	5100	6400	1200	13700

, " " (AutoSize).

, , :

Зарплата	Год, Месяц		
Сотрудник	[Year]		Итого
	[Month]	Итого за [Year]	
[Name]	0	0	0
Итого	0	0	0

, " " ,

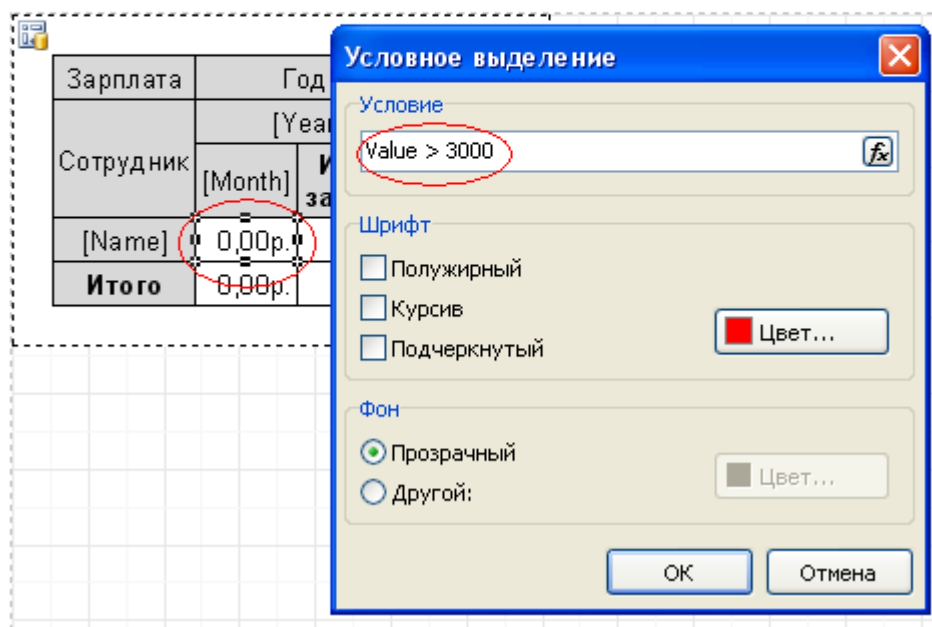
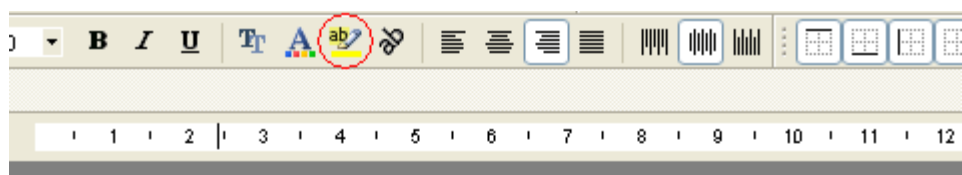
:

Зарплата	Го				
Сотрудник	1999				
	2	10	11	12	Итого за 1999
Ann	1 000,0 Пн		1 100,0 Пн	1 200,0 Пн	3 300,00р
Ben		1 900,0 Пн	2 000,0 Пн		3 900,00р
Catherine		3 000,0 Пн	3 100,0 Пн		6 100,00р
Den					0,00р.
Итого	1 000,0 Пн	4 900,0 Пн	6 200,0 Пн	1 200,0 Пн	13 300,00 н

7.7

3000

Value > 3000



Зарплата	Год, Месяц					
Сотрудник	1999					1
	2	10	11	12	Итого за 1999	
Ann	1 000,00р.		1 100,00р.	1 200,00р.	3 300,00р.	1 300,00р.
Ben		1 900,00р.	2 000,00р.		3 900,00р.	
Catherine		3 000,00р.	3 100,00р.		6 100,00р.	
Den					0,00р.	3 999,00р.
Итого	1 000,00р.	4 900,00р.	6 200,00р.	1 200,00р.	13 300,00р.	5 299,00р.

7.8

,
 " - " :

OnAfterPrint	.
OnBeforePrint	.
OnCalcHeight	. 0
OnCalcWidth	. 0
OnPrintCell	.
OnPrintColumnHeader	.
OnPrintRowHeader	.

" - ":

function ColCount: Integer	.
function RowCount: Integer	.
function IsGrandTotalColumn (Index: Integer): Boolean	True, .

function IsGrandTotalRow (Index: Integer): Boolean	True, .
function IsTotalColumn (Index: Integer): Boolean	True, .
function IsTotalRow (Index: Integer): Boolean	True, .
procedure AddValue(const Rows, Columns, Cells: array of Variant)	.

(, - 1999).
- OnPrintCell:

Pascal script:

```
procedure Cross1OnPrintCell(Memo: TfrxMemoView;  
  RowIndex, ColumnIndex, CellIndex: Integer;  
  RowValues, ColumnValues, Value: Variant);  
begin  
  if ColumnIndex = 2 then  
    Memo.Color := clRed;  
end;
```

C++ Script:

```
void Cross1OnPrintCell(  
  TfrxMemoView Memo,  
  int RowIndex,  
  int ColumnIndex,  
  int CellIndex,  
  Variant RowValues,  
  Variant ColumnValues,  
  Variant Value)  
{  
  if (ColumnIndex == 2) { Memo.Color = clRed; }  
}
```

:

	1999				
	2	10	11	12	Total
Ann	1000		1100	1200	3300
Ben		2100	2200		4300
Catherine		3000	3100		6100
Den					0
Grand Total	1000	5100	6400	1200	13700

OnPrintColumnHeader:

Pascal script:

```

procedure Cross1OnPrintColumnHeader(Memo: TfrxMemoView;
  HeaderIndexes, HeaderValues, Value: Variant);
begin
  if (VarToStr(HeaderValues[0]) = '1999') and
    (VarToStr(HeaderValues[1]) = '11') then
    Memo.Color := clRed;
end;

```

C++ Script:

```

void Cross1OnPrintColumnHeader(
  TfrxMemoView Memo,
  Variant HeaderIndexes,
  Variant HeaderValues,
  Variant Value)
{
  if ((VarToStr(HeaderValues[0]) == "1999") &&
    (VarToStr(HeaderValues[1]) == "11"))
  {
    Memo.Color = clRed;
  }
}

```

:

	1999				
	2	10	11	12	Total
Ann	1000		1100	1200	3300
Ben		2100	2200		4300
Catherine		3000	3100		6100
Den					0
Grand Total	1000	5100	6400	1200	13700

```

OnPrintCell
(
OnPrintColumnHeader
OnPrintRowHeader).
OnPrintCell
" ",
( Memo), " "
:
,
(
RowIndex,
ColumnIndex, CellIndex
" " -
RowValues ColumnValues. Value -
.
" "
(RowIndex, ColumnIndex), (RowValues, ColumnValues) -
-
0, ColumnIndex = 2 3-
(
11 1999 );

```

Pascal script:

```

procedure Cross1OnPrintCell(Memo: TfrxMemoView;
  RowIndex, ColumnIndex, CellIndex: Integer;
  RowValues, ColumnValues, Value: Variant);
begin
  if (VarToStr(ColumnValues[0]) = '1999') and
    (VarToStr(ColumnValues[1]) = '11') then
    Memo.Color := clRed;
end;

```

C++ Script:

```

void Cross1OnPrintCell(
  TfrxMemoView Memo,
  int RowIndex,
  int ColumnIndex,
  int CellIndex,
  Variant RowValues,
  Variant ColumnValues,
  Variant Value)
{
  if ((VarToStr(ColumnValues[0]) == "1999") &&
    (VarToStr(ColumnValues[1]) == "11"))
  {
    Memo.Color = clRed;
  }
}

```

```

, RowValues ColumnValues -
Variant -
-
ColumnValues[0] - , ColumnValues[1] -
.

```

```

                VarToStr?
                . FastReport
                Variant
                'Total' 'Grand Total'.

                OnPrintColumnHeader

                OnPrintCell,
                " " ( HeaderIndexes, HeaderValues)
                HeaderValues
                , ColumnValues,
RowValues
                OnPrintCell.
                HeaderIndexes
                Variant
                :
                -
                ,
                :

```

	0					1				2			
	0	1	2	3	4	0	1	2	3	0	1	2	3
0	1000		1100	1200	3300	1300	1400		2700		1500	1600	3100
1		2100	2200		4300		2400		2400				0
2		3000	3100		6100			3200	3200				0
3					0	3999			3999	4000	4100		8100
4	1000	5100	6400	1200	13700	5299	3800	3200	12299	4000	5600	1600	11200

```

                HeaderValues,
                :

```

Pascal script:

```

procedure Cross1OnPrintColumnHeader(Memo: TfrxMemoView;
  HeaderIndexes, HeaderValues, Value: Variant);
begin
  if (HeaderIndexes[0] = 0) and (HeaderIndexes[1] = 2) then
    Memo.Color := clRed;
end;

```

C++ Script:

```

void Cross1OnPrintColumnHeader(
  TfrxMemoView Memo,
  Variant HeaderIndexes,
  Variant HeaderValues,
  Variant Value)
{
  if ((HeaderIndexes[0] == 0) && (HeaderIndexes[1] == 2)) { Memo.Color =
  clRed; }
}

```

OnCalcWidth, OnCalcHeight

, OnCalcWidth: 11 1999 .

Pascal script:

```

procedure Cross1OnCalcWidth(ColumnIndex: Integer;
  ColumnValues: Variant; var Width: Extended);
begin
  if (VarToStr(ColumnValues[0]) = '1999') and
    (VarToStr(ColumnValues[1]) = '11') then
    Width := 100;
end;

```

C++ Script:

```

void Cross1OnCalcWidth(
int ColumnIndex,
variant ColumnValues,
Extended &Width)
{
  if ((VarToStr(ColumnValues[0]) == "1999") &&
    (VarToStr(ColumnValues[1]) = "11"))
  {
    Width = 100;
  }
}

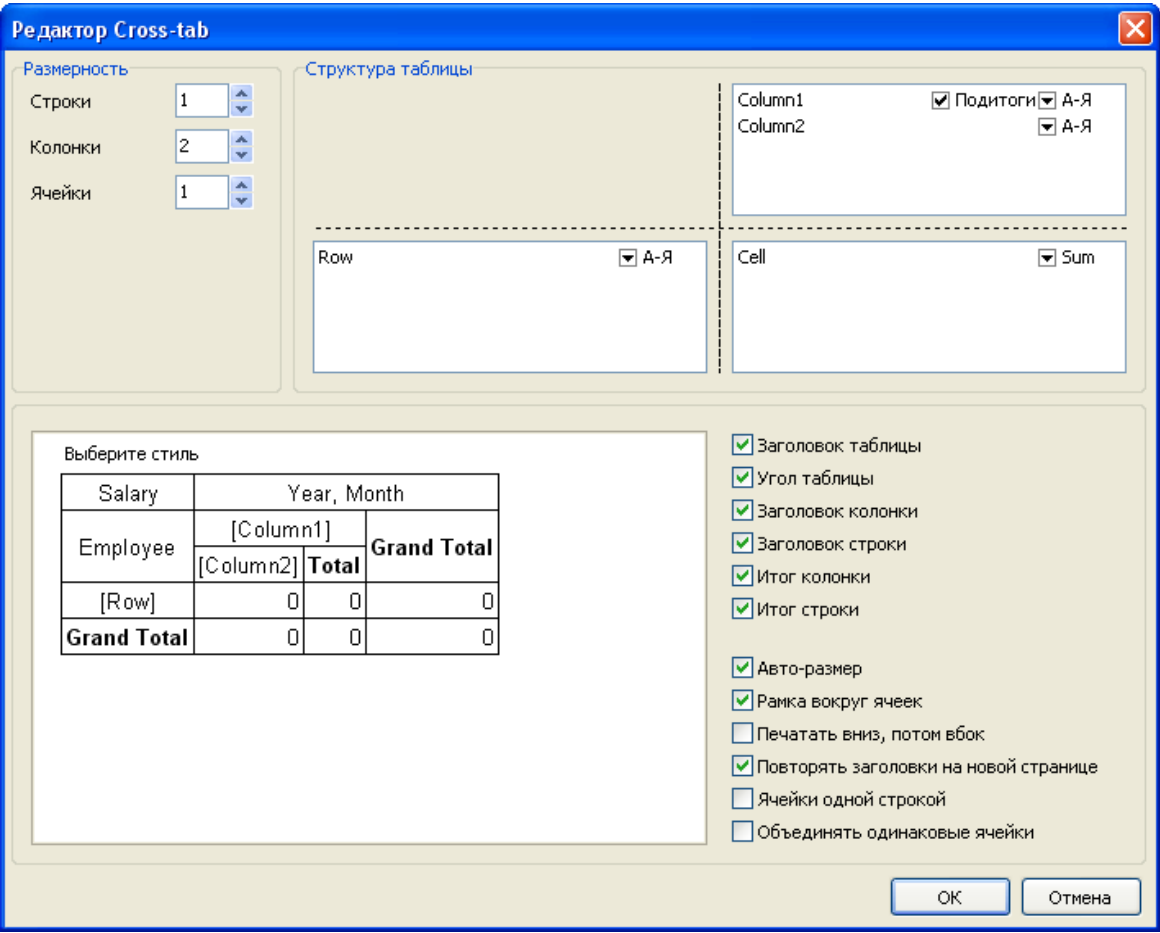
```

:

	1999				
	2	10	11	12	Total
Ann	1000		1100	1200	3300
Ben		2100	2200		4300
Catherine		3000	3100		6100
Den					0
Grand Total	1000	5100	6400	1200	13700

Width := 0.

7.9



```

procedure Cross1OnBeforePrint(Sender: TfrxComponent);
begin
  with Cross1 do
    begin
      AddValue(['Ann'], [2001, 2], [1500]);
      AddValue(['Ann'], [2001, 3], [1600]);
      AddValue(['Ann'], [2002, 1], [1700]);

      AddValue(['Ben'], [2002, 1], [2000]);

      AddValue(['Den'], [2001, 1], [4000]);
      AddValue(['Den'], [2001, 2], [4100]);
    end;
end;

```

C++ Script:

```

void Cross1OnBeforePrint(TfrxComponent Sender)
{
  Cross1.AddValue(["Ann"], [2001, 2], [1500]);
  Cross1.AddValue(["Ann"], [2001, 3], [1600]);
  Cross1.AddValue(["Ann"], [2002, 1], [1700]);

  Cross1.AddValue(["Ben"], [2002, 1], [2000]);

  Cross1.AddValue(["Den"], [2001, 1], [4000]);
  Cross1.AddValue(["Den"], [2001, 2], [4100]);
}

```

TfrxCrossView.AddValue.

Variant.

,

—

,

—

,

—

.

—

!

,

AddValue

,

:

Salary	Year, Month						
Employee	2001				2002		Grand Total
	1	2	3	Total	1	Total	
Ann		1500	1600	3100	1700	1700	4800
Ben				0	2000	2000	2000
Den	4000	4100		8100		0	8100
Grand Total	4000	5600	1600	11200	3700	3700	14900

AddValue

Зарплата	Год
----------	-----

Сотрудник	1999	2000	2001	2002	Итого
Ann	3 300,00р.	2 700,00р.	3 100,00р.	1 700,00р.	10 800,00р.
Ben	3 900,00р.	2 100,00р.		1 800,00р.	7 800,00р.
Catherine	6 100,00р.	3 200,00р.			9 300,00р.
Den		3 999,00р.	8 100,00р.		12 099,00р.
Итого	13 300,00р.	11 999,00р.	11 200,00р.	3 500,00р.	39 999,00р.

100,	-	3000,	-
------	---	-------	---

Структура таблицы

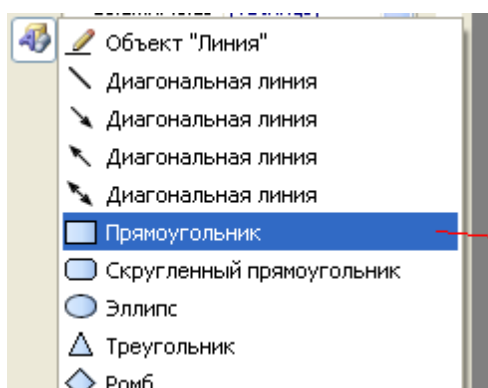
Name	Year	Salary

" - " (AutoSize).

:

Зарплата	Год	
Сотрудник	[Year]	Итого
[Name]	0,00р.	0,00р.
Итого	0,00р.	0,00р.

" / "



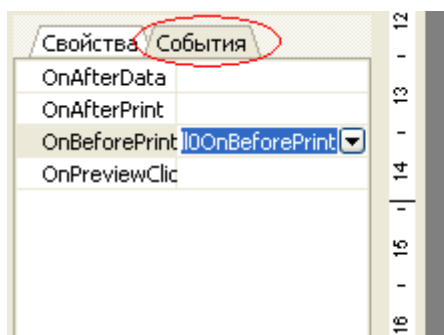
Зарплата	Год	
Сотрудник	[Year]	Итого
[Name]	0,00р.	0,00р.
Итого	0,00р.	0,00р.

:

Зарплата	Год	
Сотрудник	[Year]	Итого
[Name]	0,00р.	0,00р.
Итого	0,00р.	0,00р.

,

OnBeforePrint:



Зарплата	Год	Итого
Сотрудник	[Year]	Итого
[Name]	0,00р.	0,00р.
Итого	0,00р.	0,00р.

(
-
):

```

procedure DBCross1Cell10OnBeforePrint(Sender: TfrxComponent);
begin
    // Value -
    if Value < 100 then
    begin
        //
        DBCross1Object1.Color := clMaroon; //
        //
        DBCross1Object2.Color := clWhite;
        //
        DBCross1Object3.Color := clWhite;
    end
    else if Value < 3000 then
    begin
        DBCross1Object1.Color := $00CCFF; //
        DBCross1Object2.Color := $00CCFF;
        DBCross1Object3.Color := clWhite;
    end
    else
    begin
        DBCross1Object1.Color := $00CC98; //
        DBCross1Object2.Color := $00CC98;
        DBCross1Object3.Color := $00CC98;
    end;
end;

```

7.11

- ☒ Заголовок таблицы
- ☒ Угол таблицы
- ☒ Заголовок колонки
- ☒ Заголовок строки
- ☒ Итог колонки
- ☒ Итог строки

- ☒ Авто-размер
- ☒ Рамка вокруг ячеек
- ☐ Печатать вниз, потом вбок
- ☒ Повторять заголовки на новой странице
- ☐ Ячейки одной строкой
- ☐ Объединять одинаковые ячейки

Зарплата		Год			
Сотрудник	1999	2000	2001	2002	Сумма
Ann	3 300,00р.	2 700,00р.	3 100,00р.	1 700,00р.	10 800,00р.
Ben	3 900,00р.	2 100,00р.		1 800,00р.	7 800,00р.
Catherine	6 100,00р.	3 200,00р.			9 300,00р.
Den		3 999,00р.	8 100,00р.		12 099,00р.
Сумма	13 300,00р.	11 999,00р.	11 200,00р.	3 500,00р.	39 999,00р.

1) " , " - :

1	Salary		3		
	Employee	1999	2000	Year	Grand Total
	Ann	3 300,00p.	2 700,00p.	2001	10 800,00p.
	Ben	3 900,00p.	2 100,00p.	2002	7 800,00p.
	Catherine	6 100,00p.	3 200,00p.		9 300,00p.
	Den		3 999,00p.		12 099,00p.
2	Grand Total	13 300,00p	11 999,00p	4	39 999,00p.

2) " , " - :

1	Salary		2		
	Employee	1999	2000	Year	Grand Total
	Ann	3 300,00p.	2 700,00p.	2001	10 800,00p.
	Ben	3 900,00p.	2 100,00p.	2002	7 800,00p.
	Catherine	6 100,00p.	3 200,00p.		9 300,00p.
	Den		3 999,00p.		12 099,00p.
3	Grand Total	13 300,00p	11 999,00p	4	39 999,00p.

" , " ,

Дни	Год				
Сотрудник	1999	2000	2001	2002	Сумма
Ann	3		4	2	12
Ben	4	2		2	8
Catherine	6	3			9
Den		4	7		11
Сумма	13	12	11	4	40

- AddWidth, AddHeight -

- NextCross - AutoSize " - True;

- NextCrossGap - ;



,

FastReport

TfrxChartObject

TeeChart,

TeeChartPro,

FastReport.

Delphi.

country

DBDEMOS.

Name	Area	Population
Argentina	2 777 815	32 300 003
Bolivia	1 098 575	7 300 000
....		

TfrxDBDataSet, TfrxReport

Delphi.

TTable,

Table1:

DatabaseName = 'DBDEMOS'

TableName = 'coutry.db'

frxDBDataSet1:

DataSet = Table1

UserName = 'Country'

"

|

..."


.

- 18 8

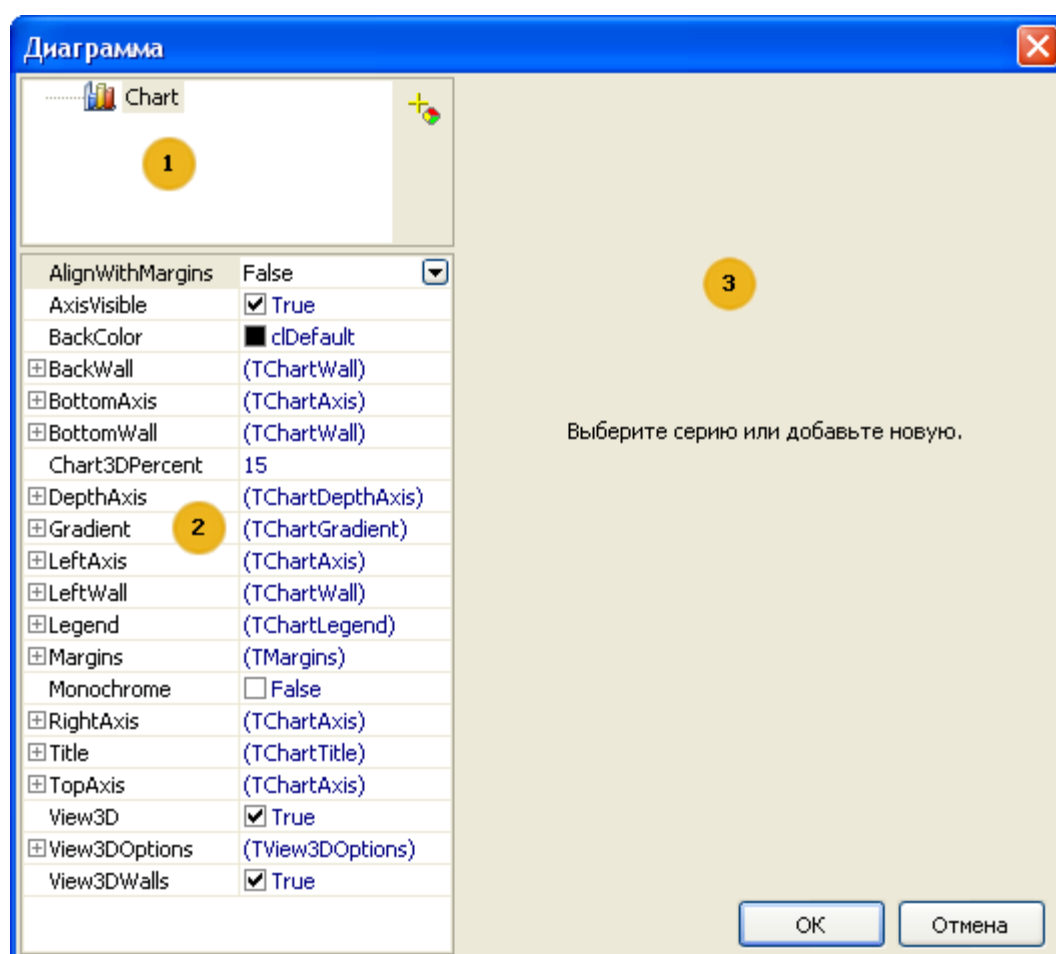
.

"

"



.



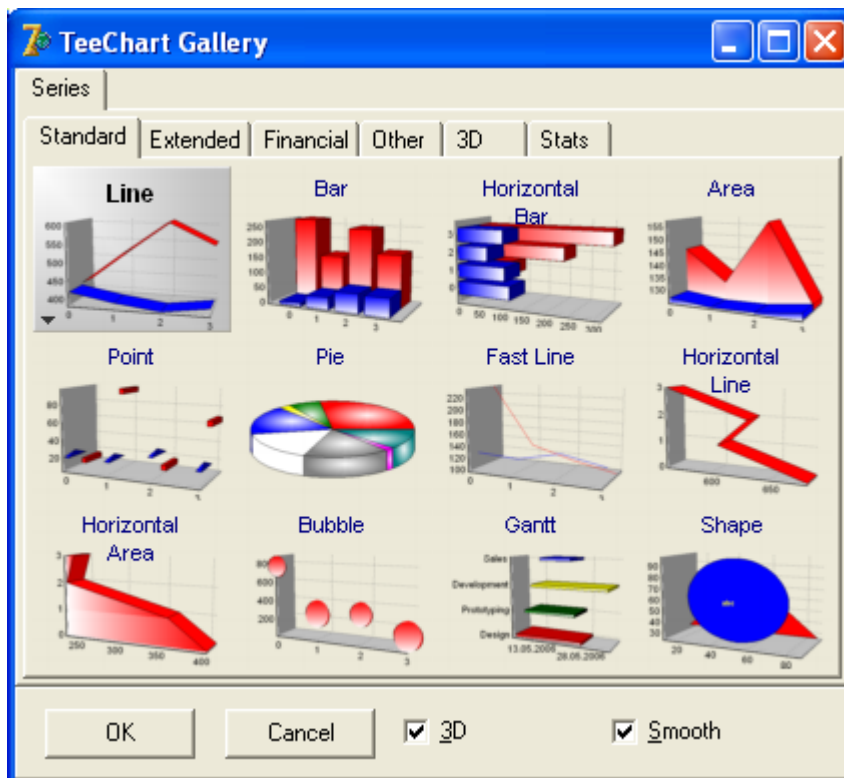
1 –
(series).

2 – , 1
3 – ,
1.

, (

–)

:



3

"

"

"Label"

"Pie"

:

Диаграмма

Chart
Pie

Active	True
CircleBackColor	clDefault
Circled	False
ColorEachPoint	True
CustomXRadius	0
CustomYRadius	0
Dark3D	True
ExplodeBiggest	0
HorizAxis	aBottomAxis
Marks	(TSeriesMarks)
OtherSlice	(TPieOtherSlice)
PercentFormat	##0.## %
PiePen	(TChartPen)
PieValues	(TChartValueList)
RotationAngle	0
SeriesColor	clRed
ShowInLegend	True
Title	
UsePatterns	False
ValueFormat	#,##0.###
VertAxis	aLeftAxis

Данные

☒ Набор данных: Country

☐ Данные из бэнда

☐ Фиксированные данные

Значения

Label: Country."Name"

Pie: Country."Area"

Свойства

Сортировка: Нет

Показывать TopN значений: 0

Заголовок TopN:

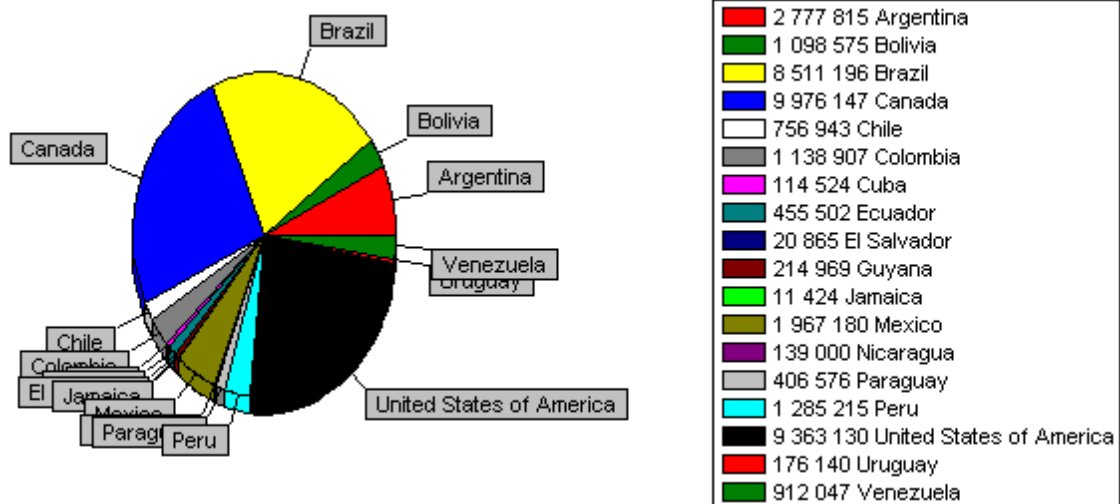
Ось X как: Текст

OK Отмена

() "Label"

"Pie".

:



Свойства

Сортировка По убыванию

8.1

Свойства

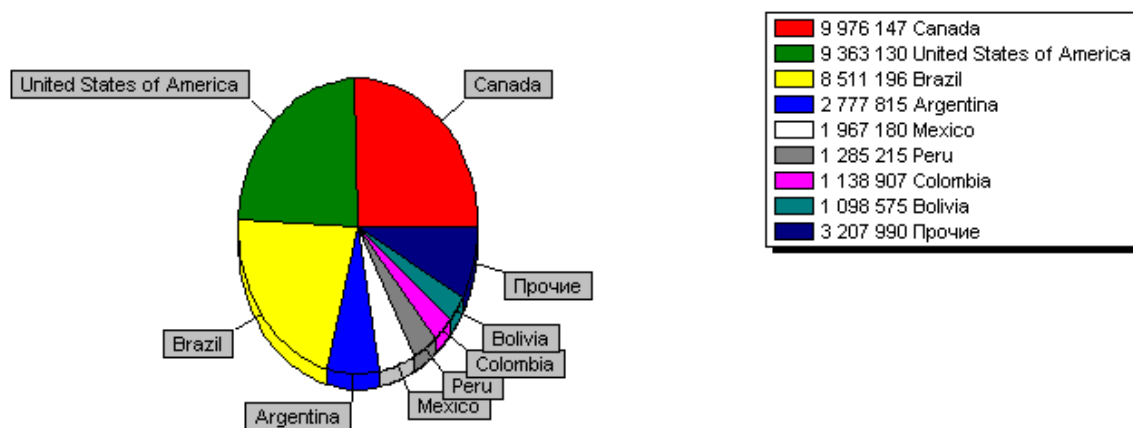
Сортировка По убыванию

Показывать TopN значений 8

Заголовок TopN Прочие

Ось X как Текст

"TopN" "TopN"



8.2

- Gradient -

Gradient.Visible.

- Legend -

Legend.Visible.

Legend.Alignment.

- ColorEachPoint -

- ExplodeBiggest -
").

- Marks -

- ValueFormat -

TeeChart Pro,

8.3



Данные

☐ Набор данных

☐ Данные из бэнда

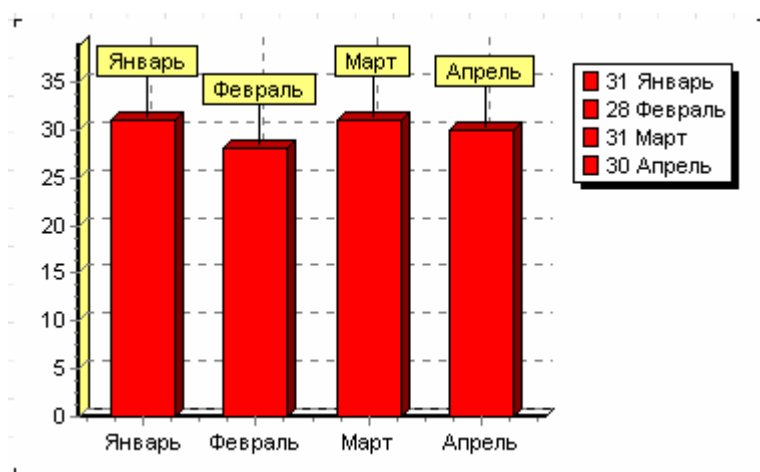
☒ Фиксированные данные

Значения

Label Январь;Февраль;Март;Апр

Y 31;28;31;30

X (optional)



8.4

X, Y.

:

PascalScript:

```
begin
  Chart1.SeriesData[0].Source1 := '      ;      ;      ';
  Chart1.SeriesData[0].Source2 := '31;28;31;30';
end.
```

C++Script:

```
{
  Chart1.SeriesData[0].Source1 = "      ;      ;      ";
  Chart1.SeriesData[0].Source2 = "31;28;31;30";
}
```

SeriesData[0]

SeriesData[_].

8.5

Delphi

Delphi

, " ".

TfrxReport.OnBeforePrint:

```
procedure TForm1.frxReport1BeforePrint(Sender: TfrxReportComponent);
begin
  if Sender.Name = 'Picture1' then
    TfrxPictureView(Sender).Picture.Assign(
      Chart1.TeeCreateMetafile(False,
        Rect(0, 0, Round(Sender.Width), Round(Sender.Height))));
end;
```

Picture1 – " ", Chart1 – .



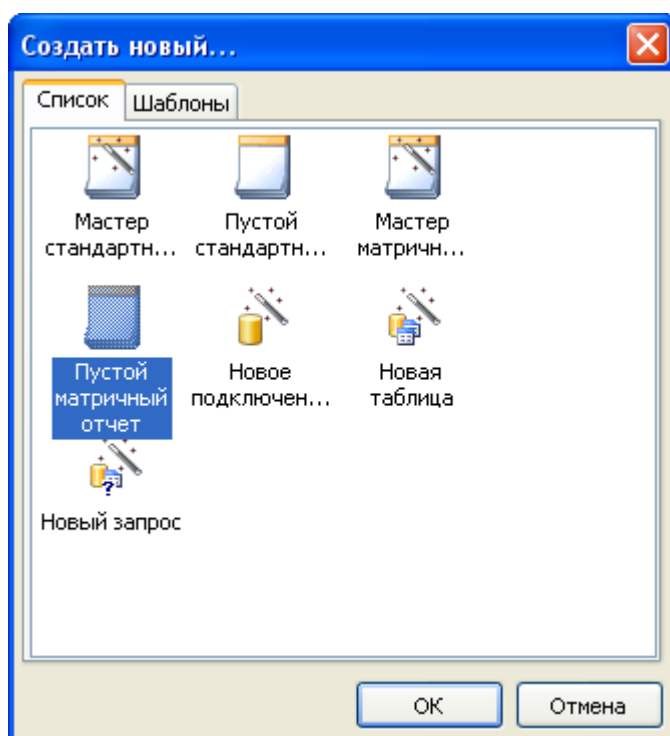
Delphi,
TTable, TfrxDBDataSet, TfrxReport, TfrxDotMatrixExport :

TTable:
DatabaseName = 'DBDEMOS'
TableName = 'Customer.db'

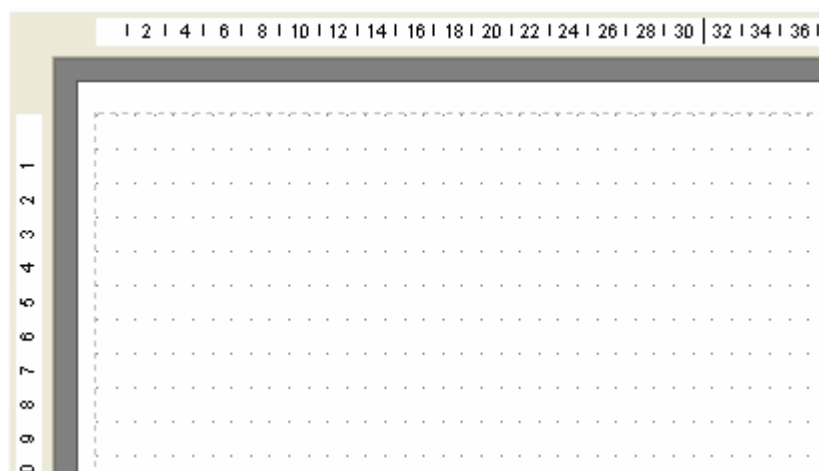
TfrxDBDataSet:
DataSet = Table1
UserName = 'Customers'

“ | ...”.

« , »:



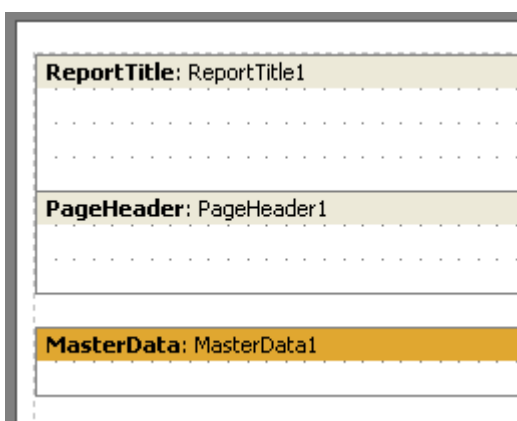
:



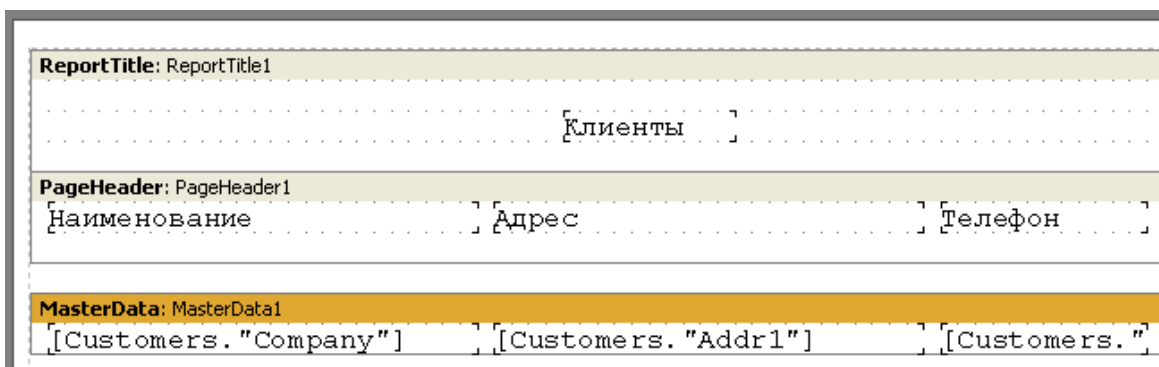
« », « », « », «ESC- », «
« - ».

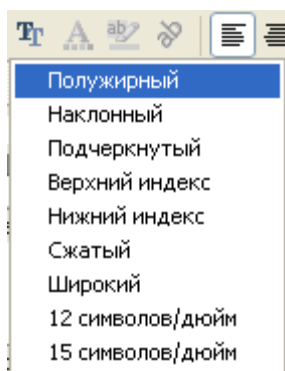


Report title, Page header, Master data:



« » :





Клиенты

Наименование	Адрес	Телефон
Action Club	PO Box 5451-F	813-870-0239
Action Diver Supply	Blue Spar Box #3	22-44-500211
Adventure Undersea	PO Box 744	011-34-09054
American SCUBA Supply	1739 Atlantic Avenue	213-654-0092
Aquatic Drama	921 Everglades Way	613-442-7654

9.1

Редактор Cross-tab

Данные

Cross

- Month
- Days
- Salary

Структура таблицы

Year A-Я

Name A-Я

Salary Sum

Зарплата	Год	
Сотрудник	[Year]	Итого
[Name]	0	0
Итого	0	0

☒ Заголовок таблицы

☒ Угол таблицы

☒ Заголовок колонки

☒ Заголовок строки

☒ Итого колонки

☒ Итого строки

☒ Авто-размер

☒ Рамка вокруг ячеек

☐ Печатать вниз, потом вбок

☒ Повторять заголовки на новой странице

☐ Ячейки одной строкой

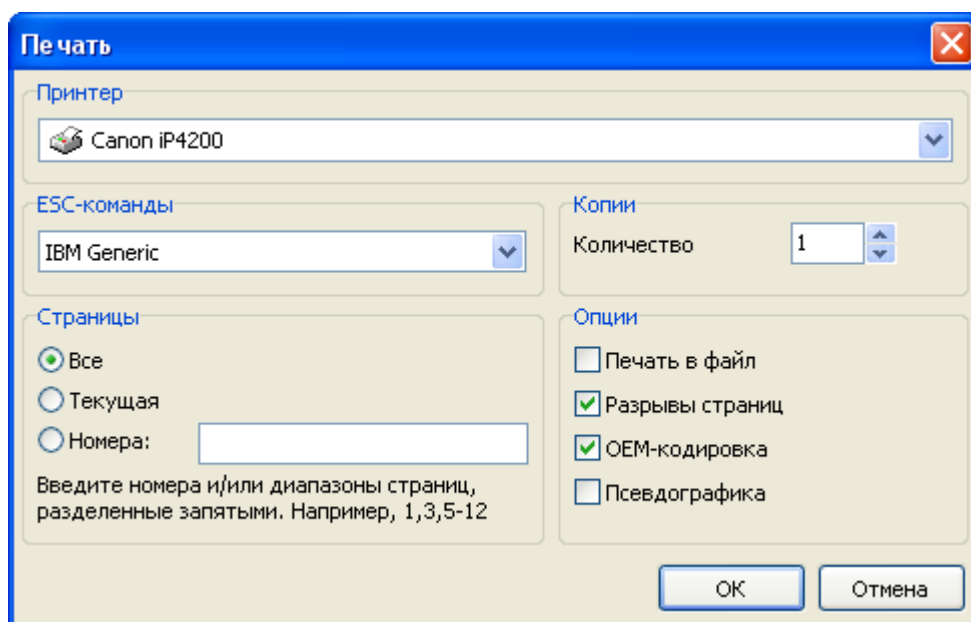
☐ Объединять одинаковые ячейки

OK Отмена

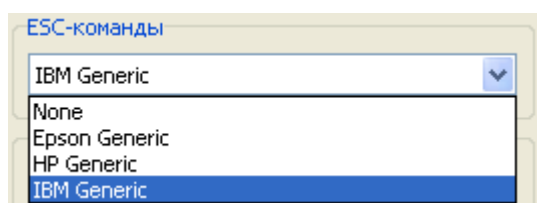
Зарплата	Год				
Сотрудник	1999	2000	2001	2002	Итого
Ann	3300	2700	3100	1700	10800
Ben	3900	2100		1800	7800
Catherine	6100	3200			9300
Den		3999	8100		12099
Итого	13300	11999	11200	3500	39999

9.2

),
TfrxDotMatrixExport  “FastReport 4.0”.



(ESC-).

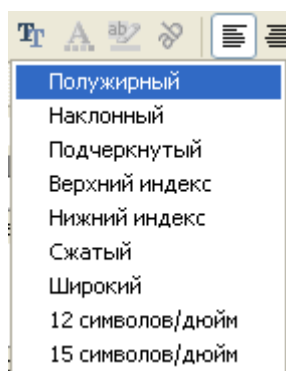


— — — ;
 — — — , ;
 . ,
 , -, |, +.

9.3

« »

,
 :



,

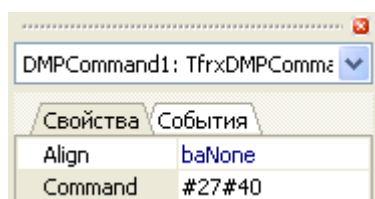
,
 ,

20

«ESC- » #18.

(,

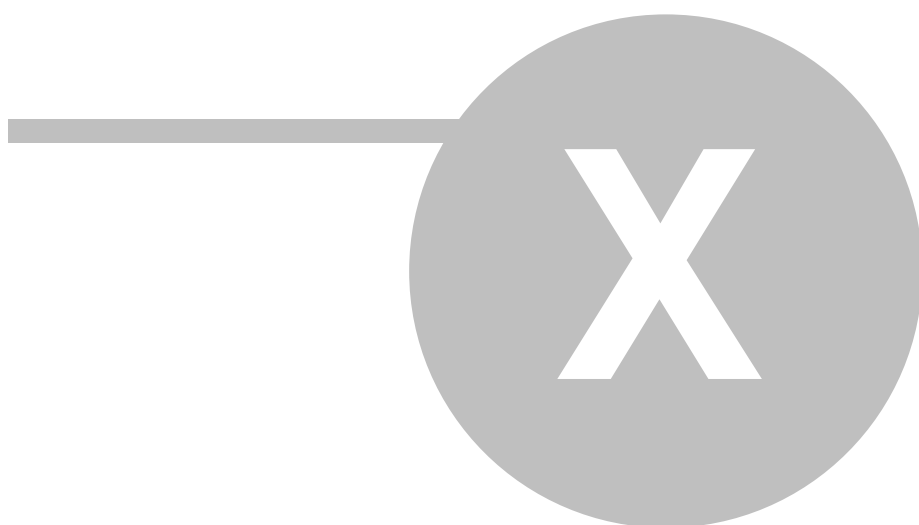
,
). Command
 :

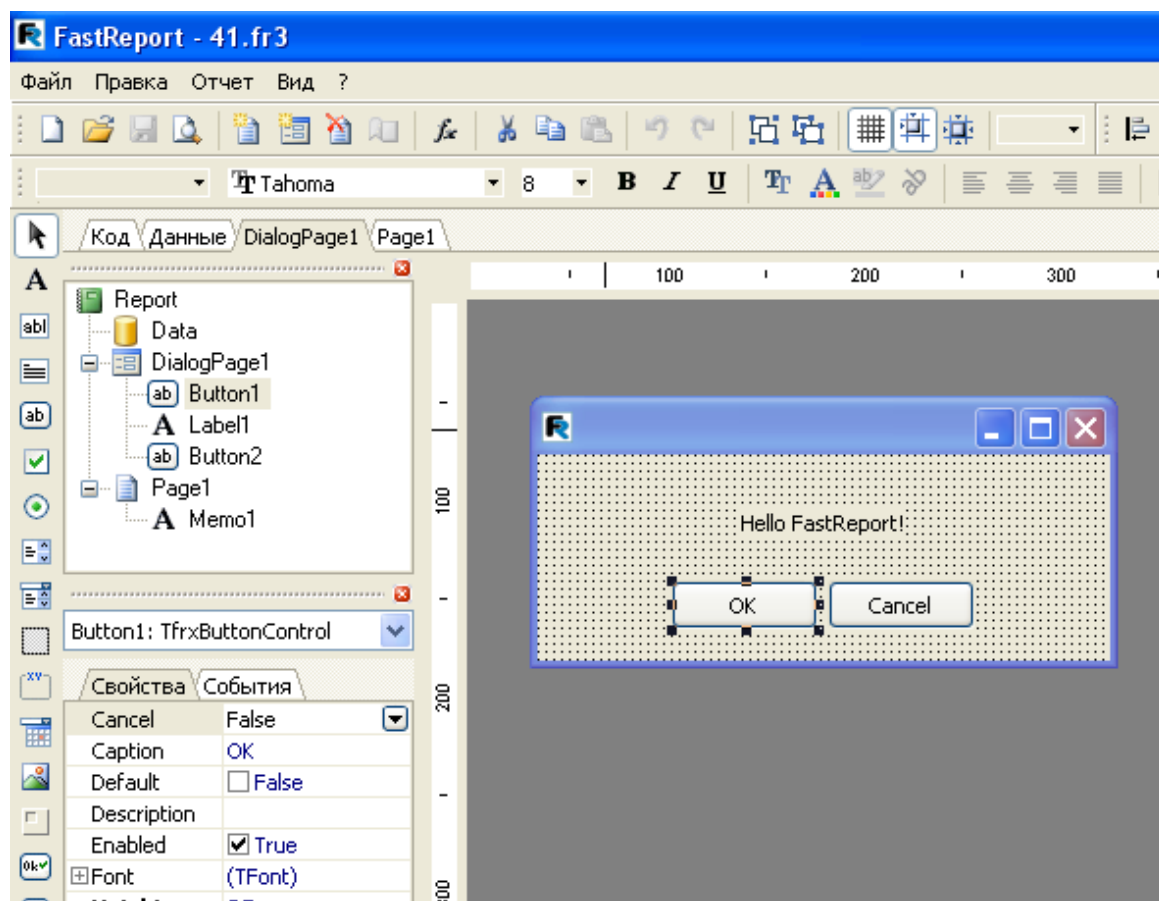


(, #27#40)

(1B28).

:

















10.1






TfrxDialogControls 

FastReport.

uses frxDCtrl.

:

	TfrxLabelControl	-
	TfrxEditControl	.
	TfrxMemoControl	.
	TfrxButtonControl	.
	TfrxCheckBoxControl	, :
	TfrxRadioButtonControl	.
	TfrxListBoxControl	.
	TfrxComboBoxControl	.
	TfrxDateEditControl	.
	TfrxGroupBoxControl	,
	TfrxPanelControl	,
	TfrxBitBtnControl	.

	TfrxSpeedButtonControl	
	TfrxMaskEditControl	
	TfrxCheckListBoxControl	
	TfrxBevelControl	
	TfrxImageControl	BMP, ICO, WMF, EMF.

Delphi.

FastReport.

10.2 "Hello, World!"

Delphi,

FastReport

: TfrxReport, TfrxDialogControls.
TfrxReport
TfrxLabelControl,

TfrxButtonControl:



:

TfrxLabelControl:

Caption = 'Hello, World!'

TfrxButtonControl:

Caption = 'OK'

Default = True

ModalResult = mrOk

BorderStyle = bsDialog.

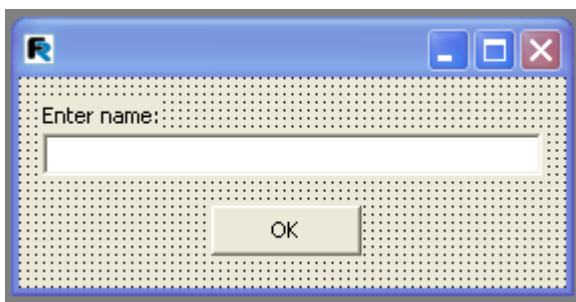
Delphi.



FastReport:

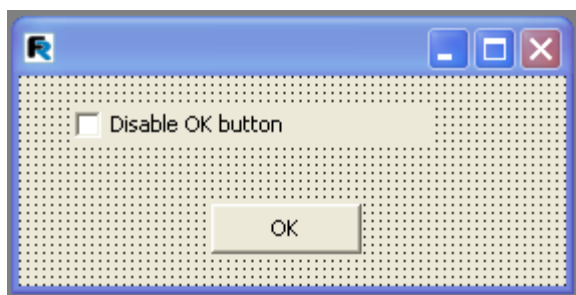
ModalResult = mrOk.
ModalResult mrOk.

10.3



You've entered:
[Edit1.Text]

10.4



OnClick, "CheckBox" –
:

PascalScript:

```
procedure CheckBox1OnClick(Sender: TfrxComponent);  
begin  
    Button1.Enabled := not CheckBox1.Checked;  
end;
```

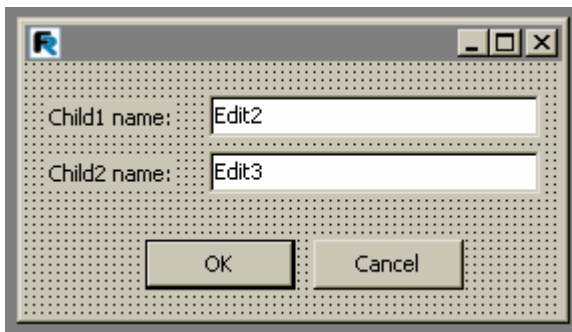
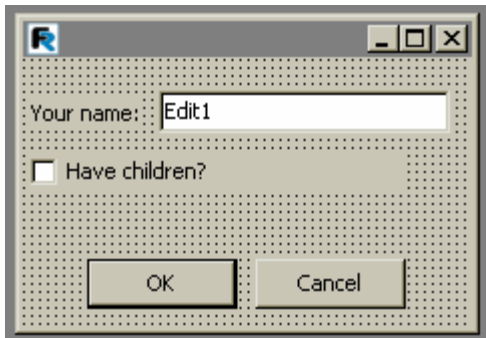
C++ Script:

```
void CheckBox1OnClick(TfrxComponent Sender)  
{  
    Button1.Enabled = !CheckBox1.Checked;  
}
```

Delphi.

10.5

Name:	[Edit1.Text]
Child1 name:	[Edit2.Text]
Child2 name:	[Edit3.Text]



```

        OK   Cancel
    ).
    (      ,      ),
    -      (      ).
    .
    FastReport -
    ,
    (
    ModalResult = mrOk).
    (      Cancel      ),
    .

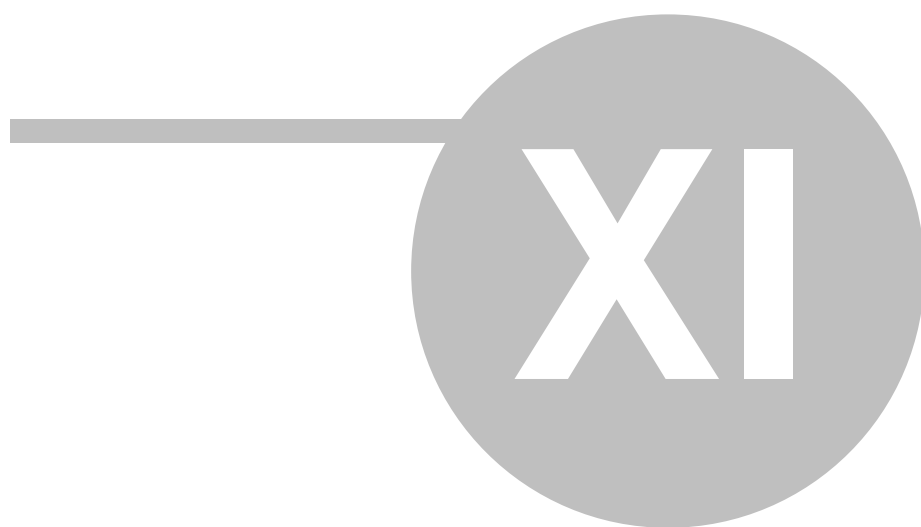
```


PascalScript:

C++Script:

CheckBox1
Result = True,

```
;      Result = False,
```

Delphi
FastReport.

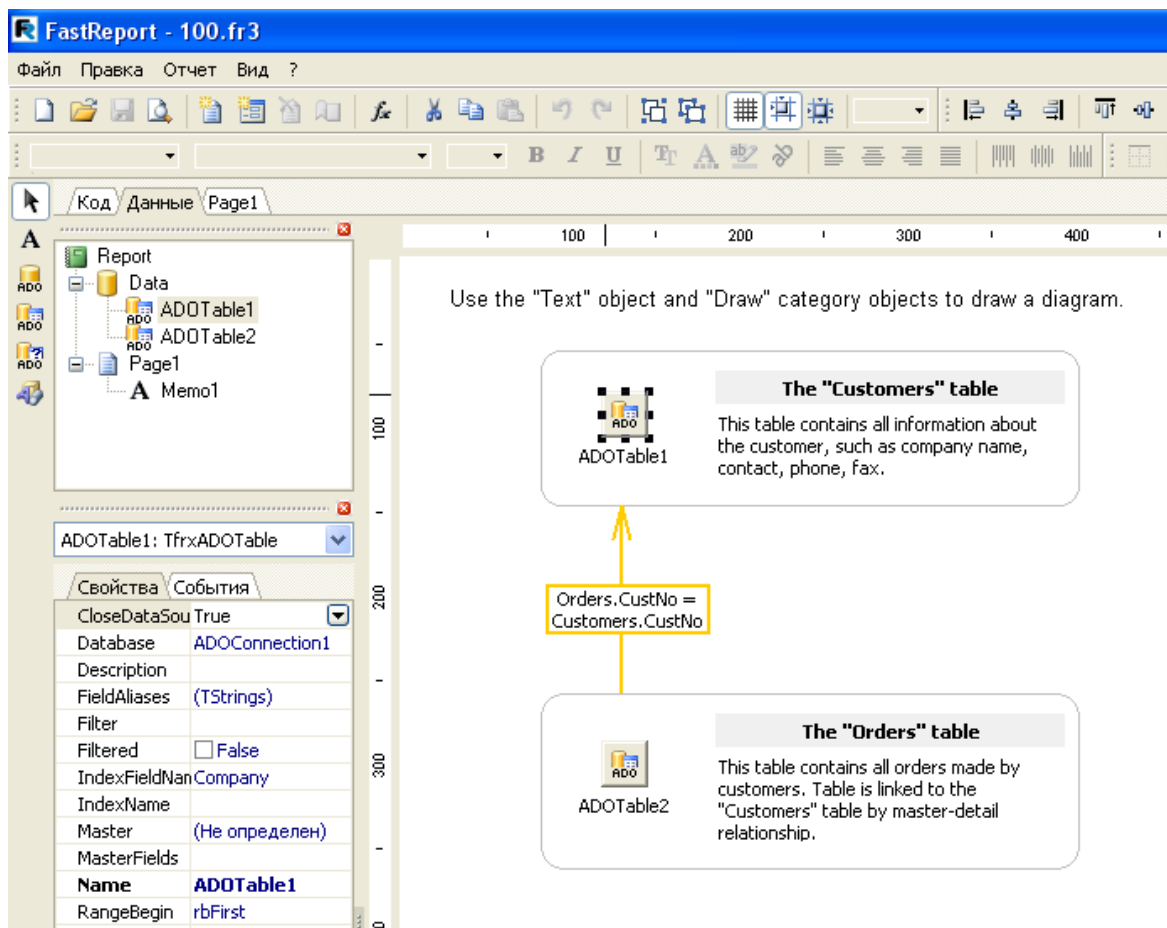
TTable TQuery,

TDataSet.

run-time. FastReport


Delphi.





Delphi,



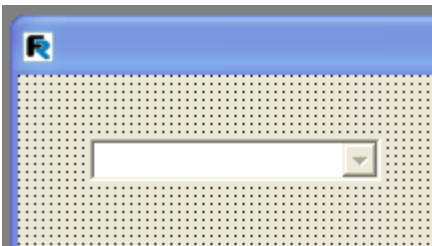
11.1

ADO. DBX, FIB FR BDE, IBX, .

ADO
TfrxADOComponents  FastReport.
: TfrxDBLookupComboBox,
TfrxADOTable, TfrxADOQuery, TfrxADODataBase.
Delphi
(TDBLookupComboBox, TADOTable, TADOQuery, TADOConnection).

	TfrxDBLookupComboBox	,
	TfrxADOTable	.
	TfrxADOQuery	SQL- .
	TfrxADODataBase	.

11.1.1 TfrxDBLookupComboBox



:

DataSet	, .

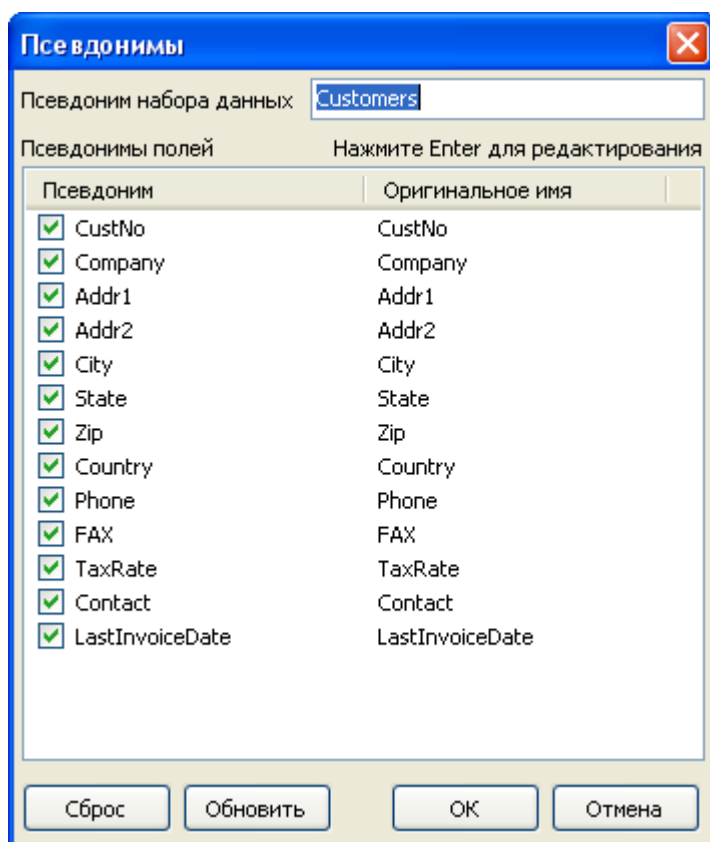
ListField	,
KeyField	,
KeyValue	,
Text	,

: DataSet, ListField KeyField.
Text Key Value, Key Value

11.1.2 TfrxADOTable

Active	,
Database	(TfrxADODatabase).
FieldAliases	.
Filter	.
Filtered	,
IndexFieldNames	,
IndexName	.
MasterFields	, master-
Master	-
TableName	.
UserName	()

Delphi TTable.
Database
Active := True
TableName.
Open.
FieldAliases



MasterFields

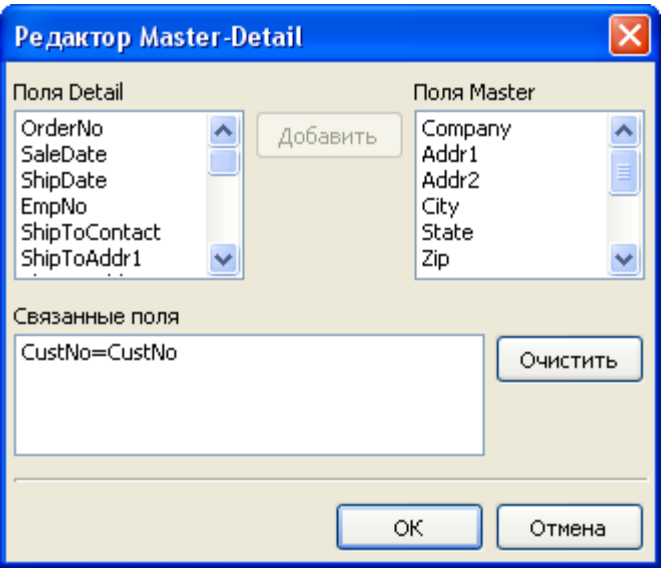
master-detail

master-detail

Master

MasterFields

IndexName.



master detail
Master-Detail,
master detail
, master
(detail),
(master), " "
" "

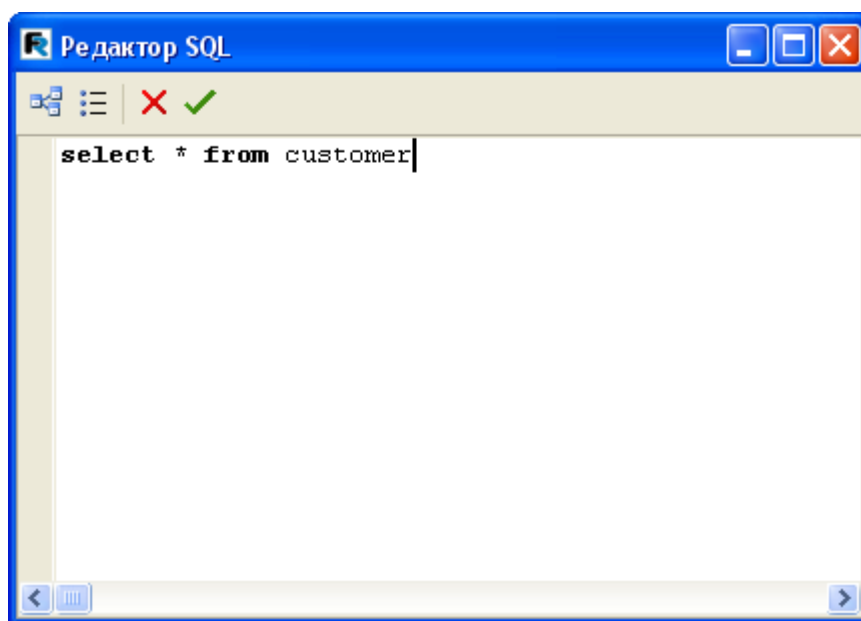
11.1.3 TfrxADOQuery

SQL-
:

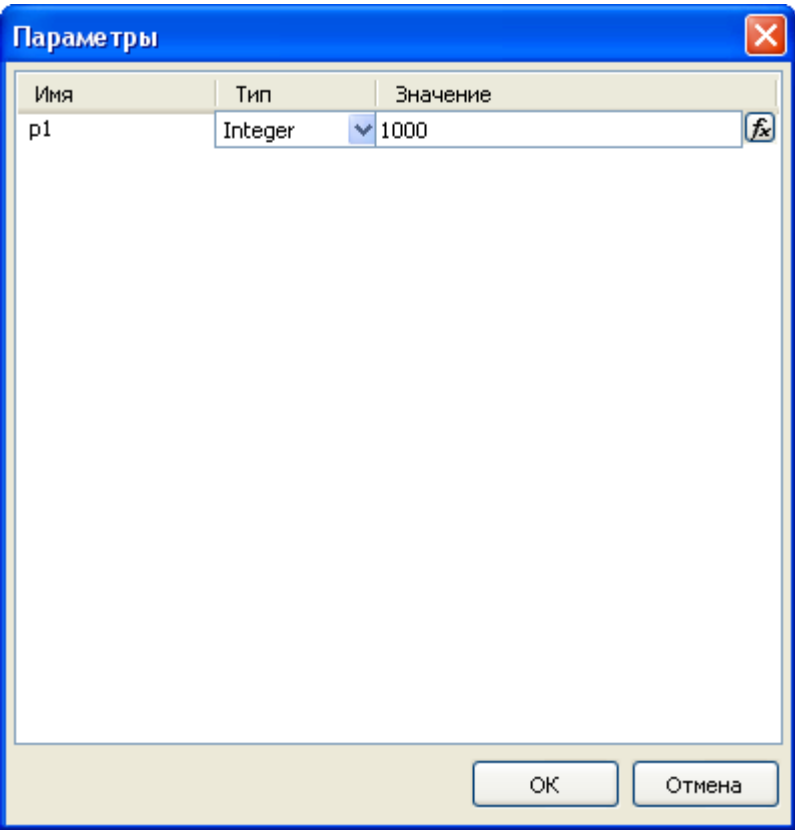
Active	, .
Database	(TfrxADODatabase).
FieldAliases	.
Filter	.
Filtered	, .
Master	- .

Params	.
SQL	.
UserName	() .

Active, Database, FieldAliases, Filter, Filtered, Master
TfrxADOTable. SQL
SQL-



Params



master-
(
,
, master-
TfrxADOQuery.Master.
,
.

11.1.4 TfrxADODataBase

Delphi TADOConnection.
:

Connected	True, .
DatabaseName	.

LoginPrompt	,
-------------	---

```

LoginPrompt
    ,
    LoginPrompt = False,

```

11.2

```

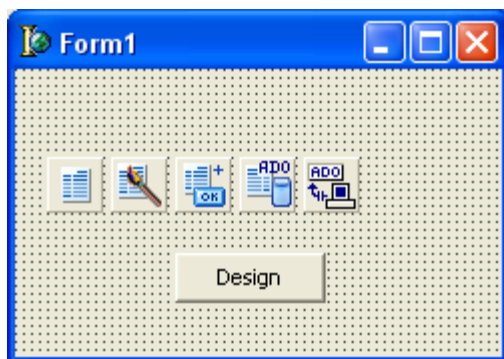
FastReport - {FR}\Demos\Main\demo.mdb.

```

```

    Delphi
    TfrxReport, TfrxDesigner, TfrxDialogControls, TfrxADOComponents,
TADOConnection.

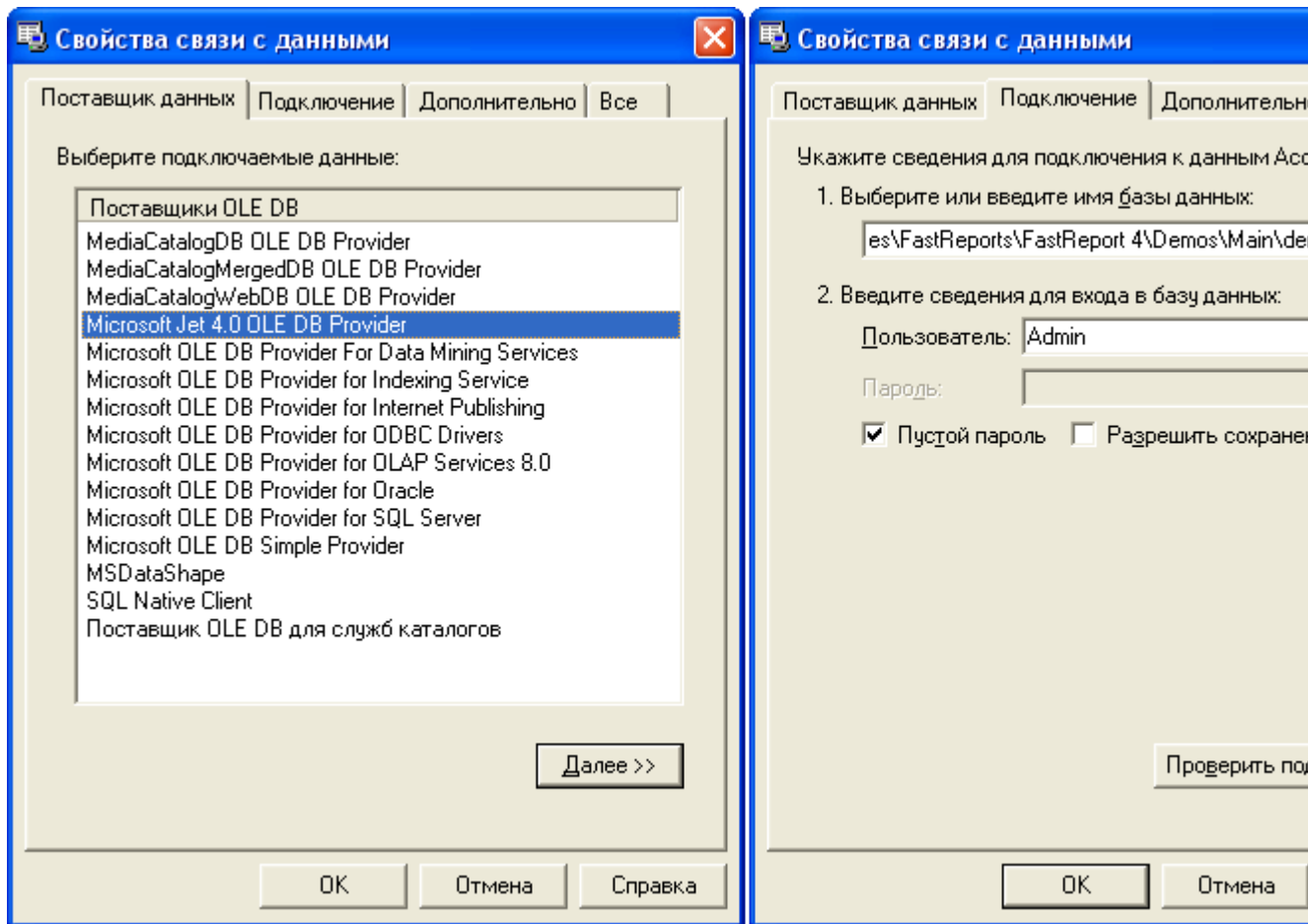
```



```

TADOConnection,
    "Build connection string"
    :

```



:

ADOConnection1:
LoginPrompt = False

frxADOComponents1:
DefaultDatabase = ADOConnection1

"Design"

:

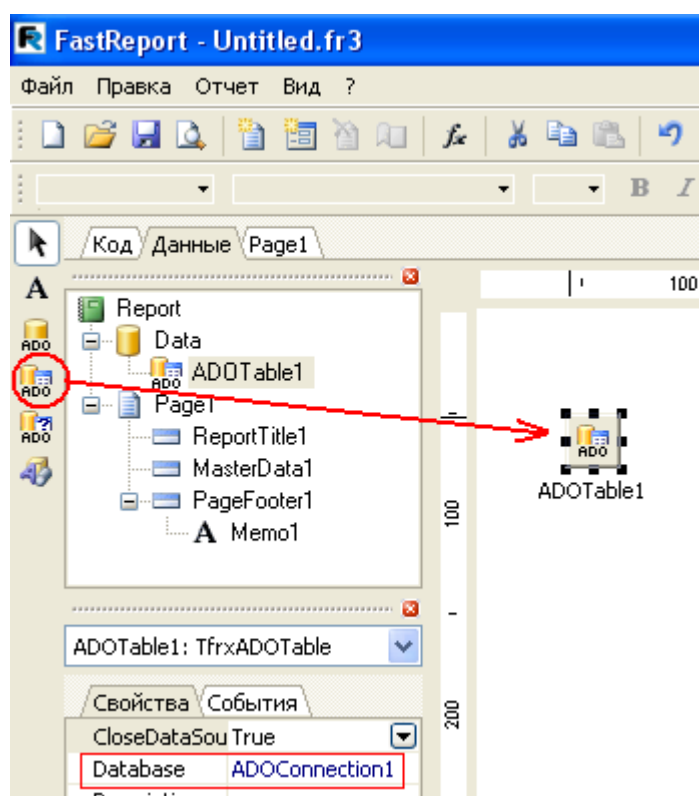
```
procedure TForm1.Button1Click(Sender: TObject);
begin
    frxReport1.DesignReport;
end;
```

end-user

Design

11.3

FastReport
"Page1".
ADO":



Database -

DefaultDatabase

TfrxADOCComponents.

TableName = 'Customer'

1

:

ReportTitle: ReportTitle1			
MasterData: MasterData1			
			ADOTable1
[ADOTable1."Company"]	[ADOTable1."Phone"]	[ADOTable1."FAX"]	
PageFooter: PageFooter1			

"

" 

.

11.4

,

.

.

"

"

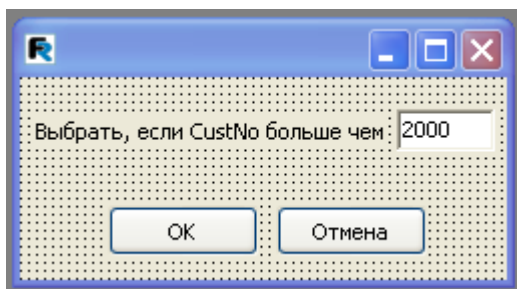
"

ADO".

:

```
select * from Customer where CustNo > :p1
```

Label, Edit, Button:



:

Label1:

Caption = ' , CustNo '

Edit1:
Text = '2000'

Button1:
Caption = 'OK'
ModalResult = mrOk

Button2:
Caption = ' '
ModalResult = mrCancel

Params

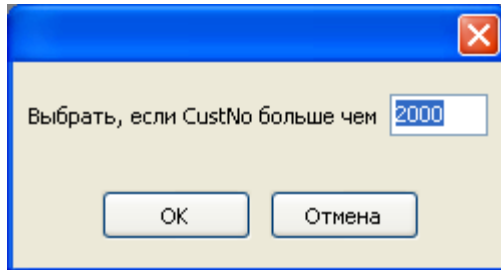
Query

:

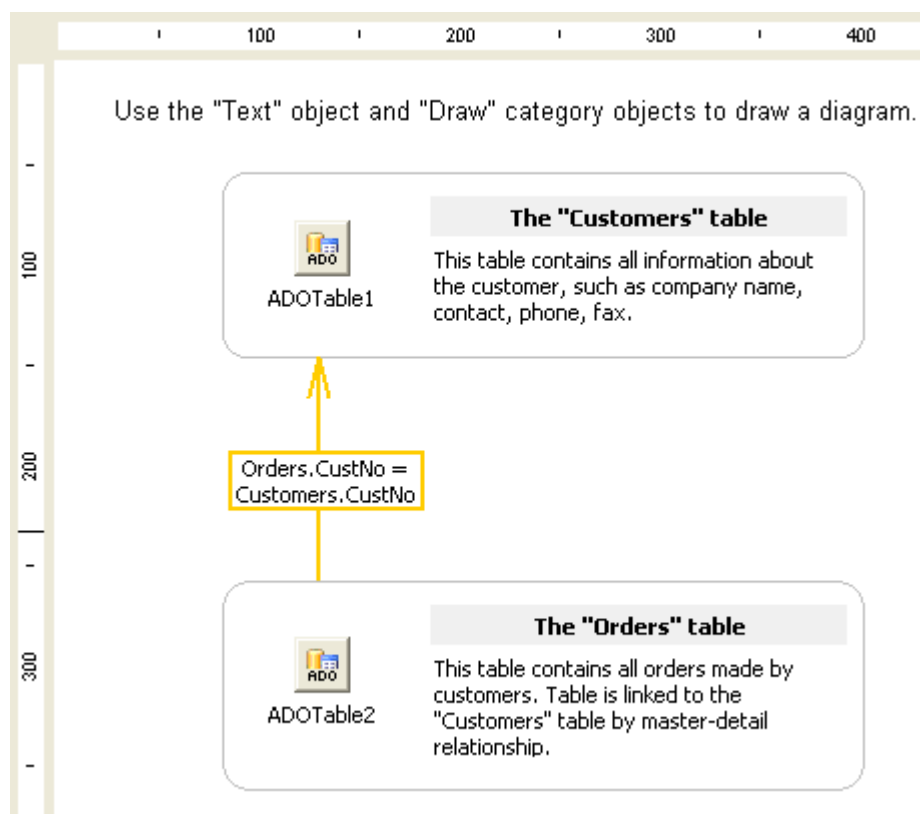
Имя	Тип	Значение
p1	Float	▼ Edit1.Text

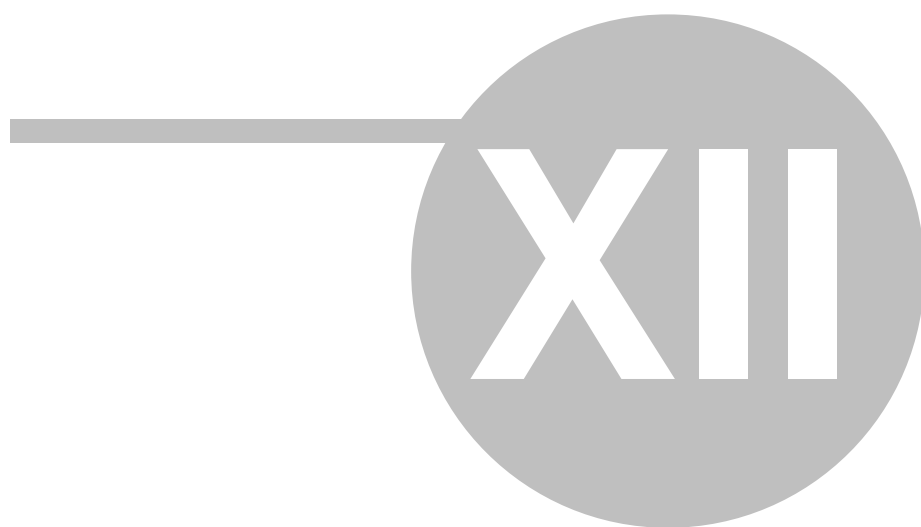
:

MasterData: Band4									
[ADOQuery1."Cust No"]	[ADOQuery1."Company"]								



11.5





12.1



Телефон

813-870-0239

22-44-500211

011-34-09054

213-654-0092

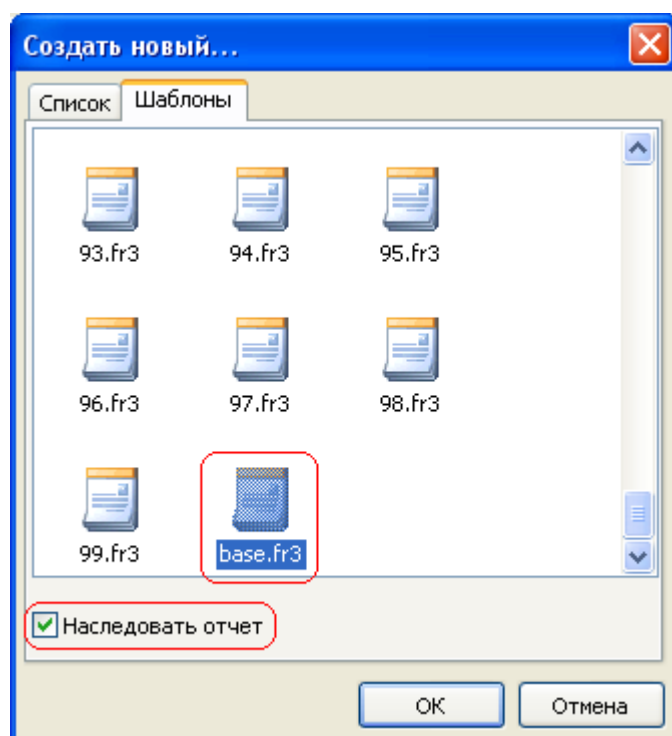
613-442-7654

213-555-1984

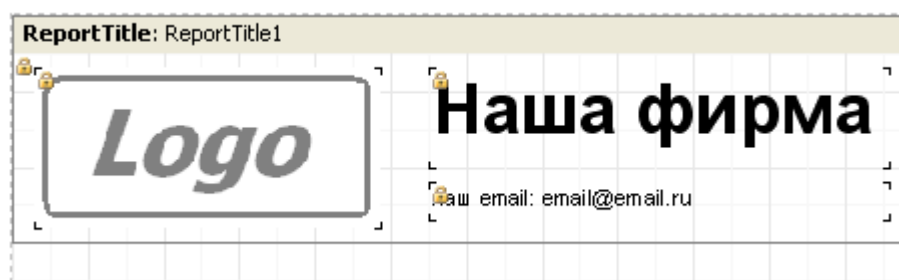


TemplateDir.


```
" | ... "
base.fr3 , " "
```



FastReport



ReportTitle: ReportTitle1

	Наша фирма Наш email: email@email.ru
---	--

PageHeader: PageHeader1

Клиент	Телефон
--------	---------


MasterData: MasterData1

[Customers."Company"]	[Customers."Phone"]
-----------------------	---------------------

12.2

ReportTitle: ReportTitle1

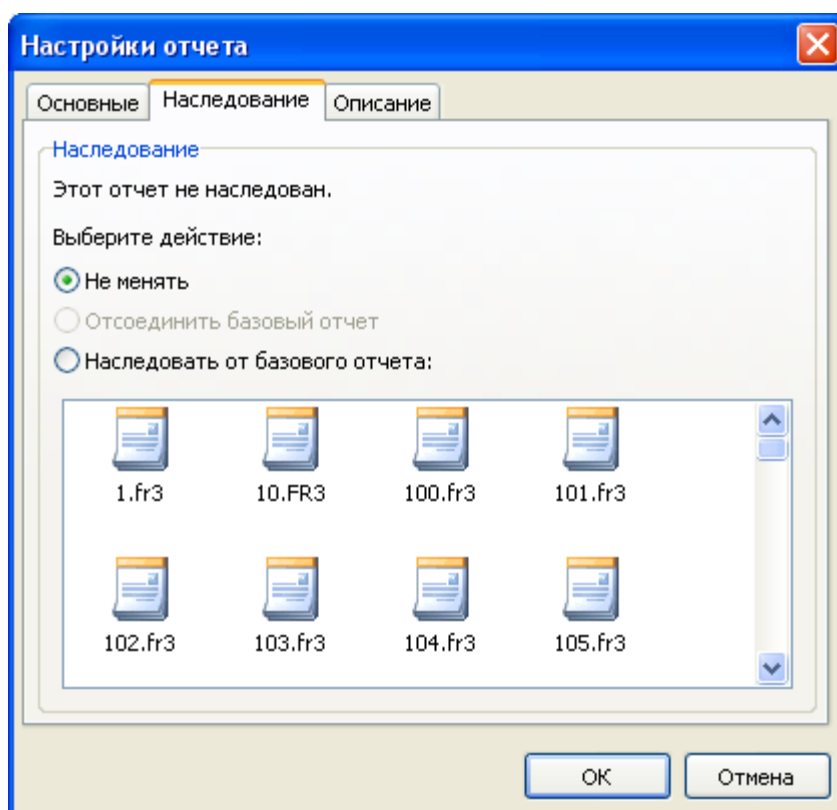
	Наша фирма Наш email: new_email@email.ru
---	--

ReportTitle: ReportTitle1	
	Наша фирма Наш email: new_email@email.ru
PageHeader: PageHeader1	
Клиент	Телефон
MasterData: MasterData1	
[Customers."Company"]	[Customers."Phone"]

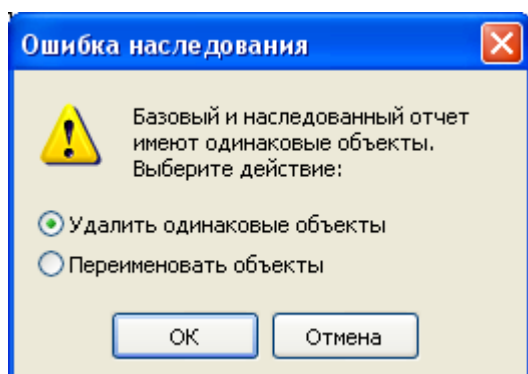
, ? ,
 ,
 .
 ,
 :
 " — — — ". , " "
 "BaseMemo3".

12.3

, ? ,
 , " "
 ... " :
 :



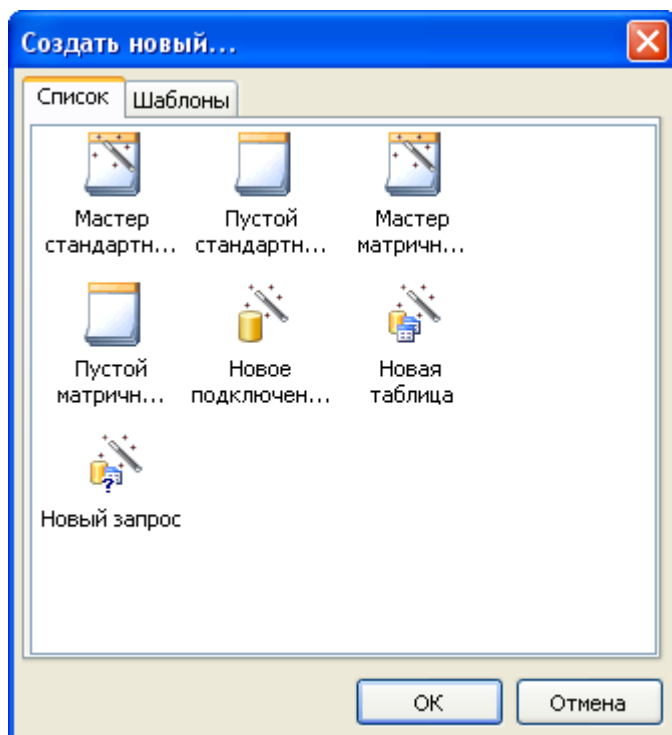
FastReport





FastReport

...".



13.1

4 :

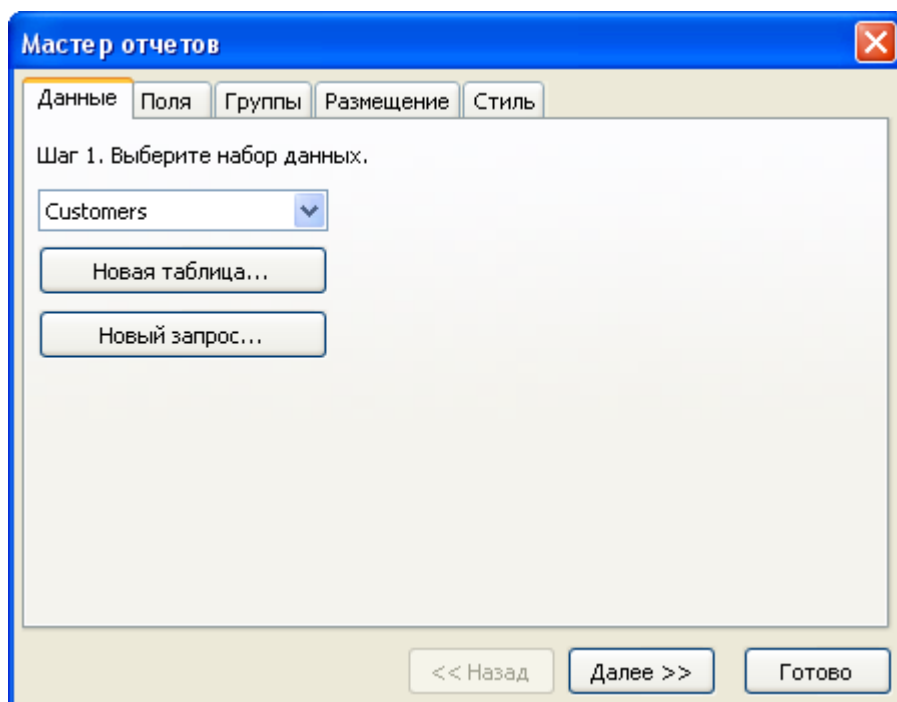
-
-
-
-

" " " "

(, .

" " " "

" " " "

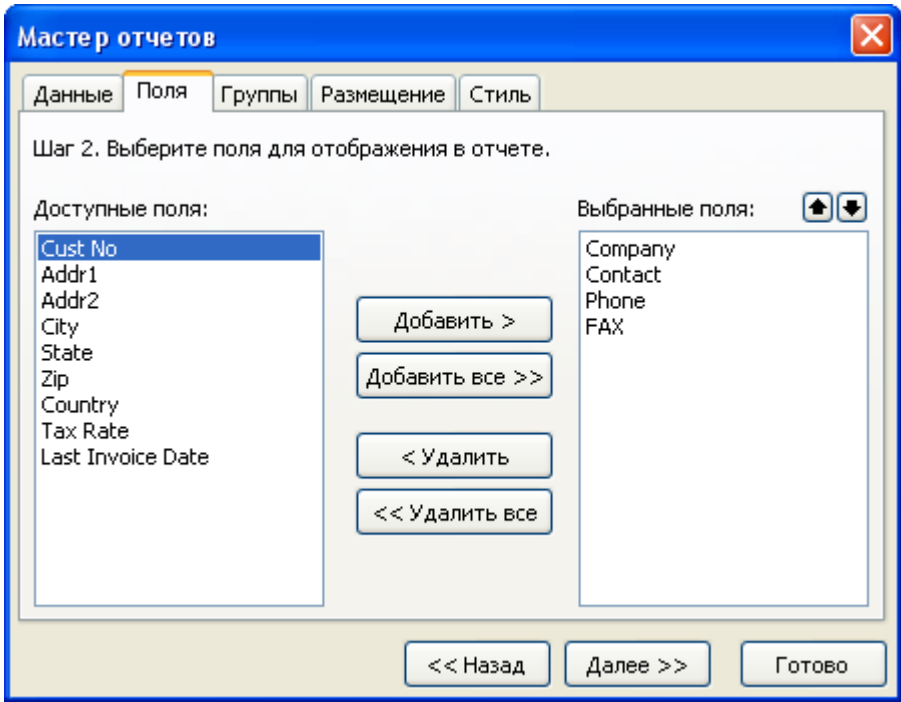


(TfrxDBDataSet).

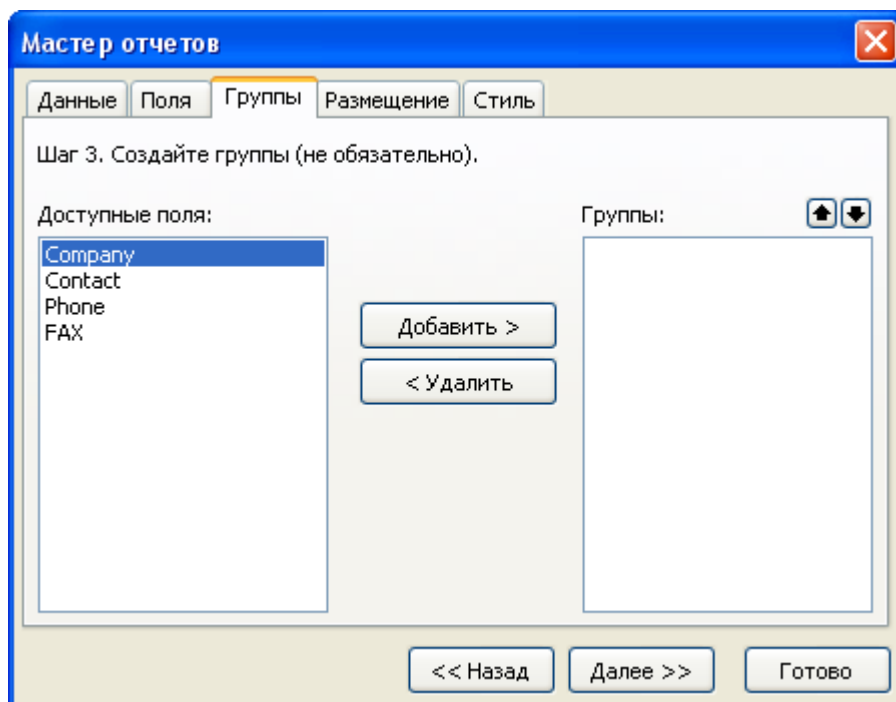
" -

>>".

Customers

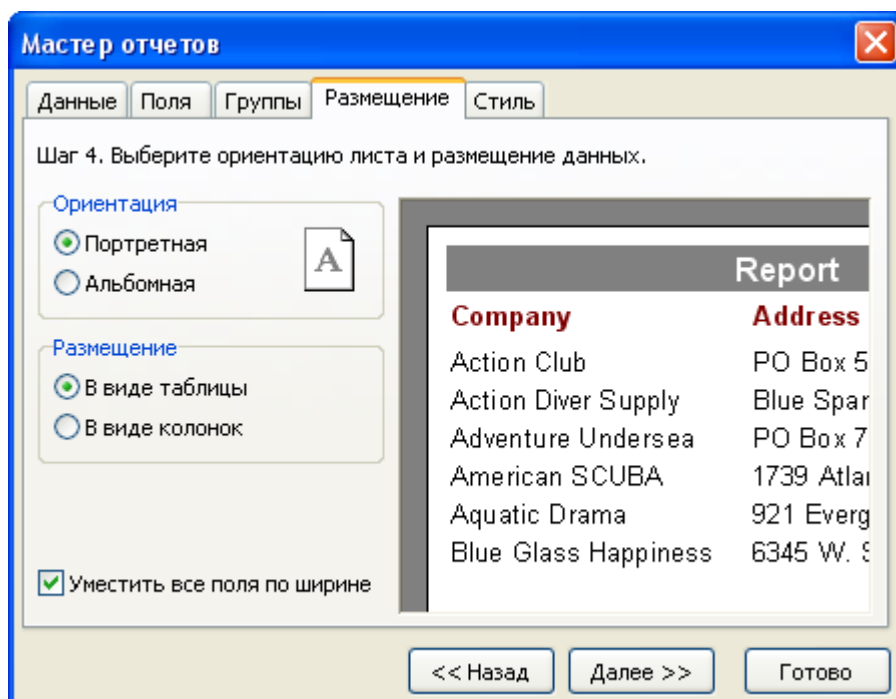


Phone, FAX
Company, Contact,
Group

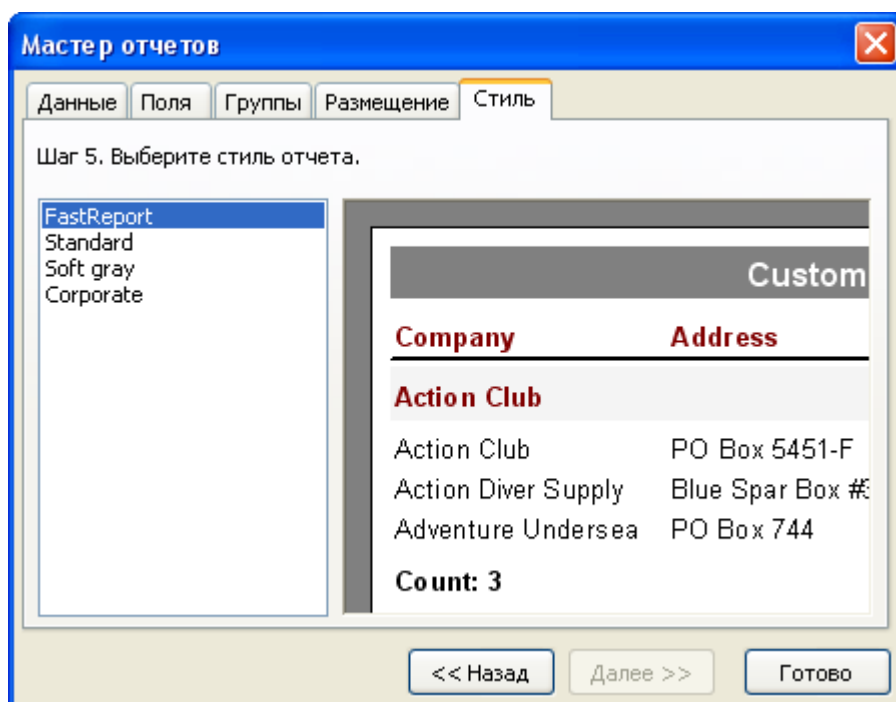


- " >>".

:



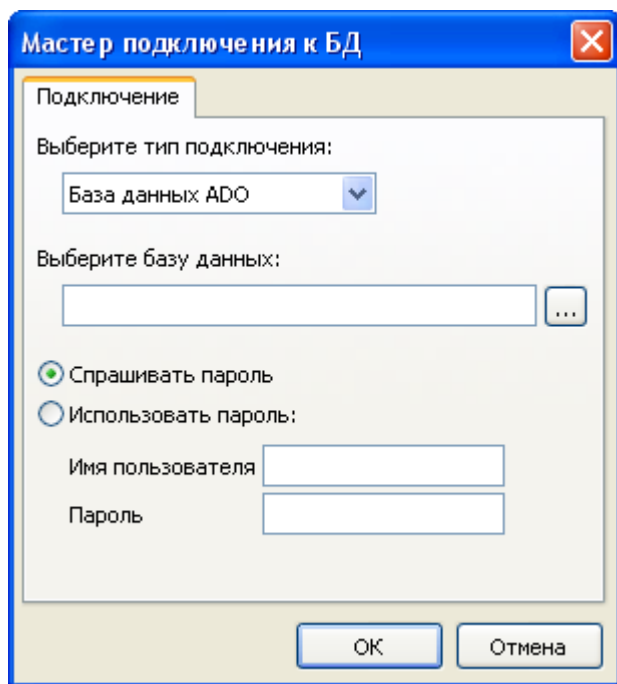
- ,



ReportTitle: ReportTitle1			
Report			
PageHeader: PageHeader1			
Company	Contact	Phone	FAX
MasterData: MasterData1			
[Customers."Company"]	[Customers."Contact"]	[Customers."Phon	[Customers."FAX"]
PageFooter: PageFooter1			

13.2

" ADO".



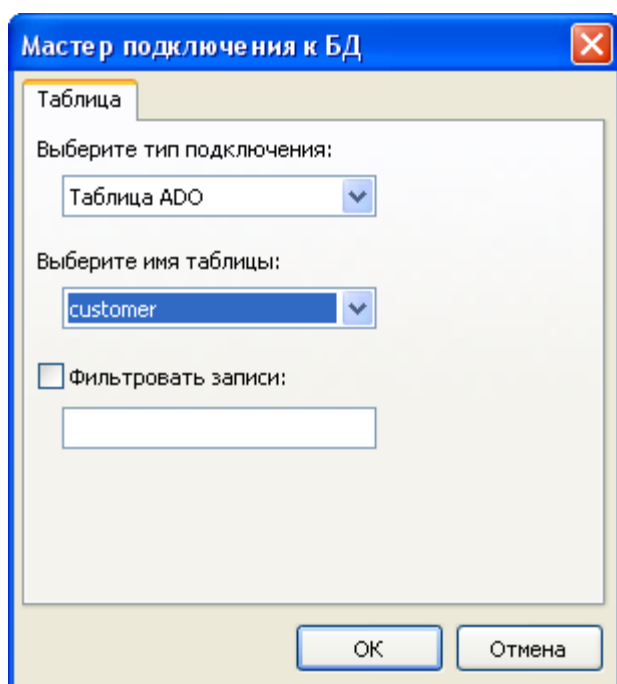
) -

(
Windows,

" , "

" , ADO".

13.3

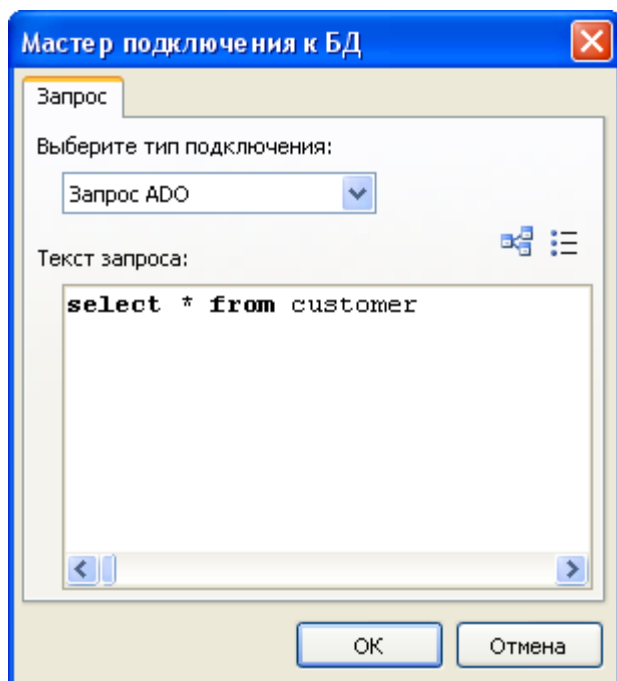


(CustNo > 2000) and (CustNo < 3000)

" " " 'ADO".

13.4

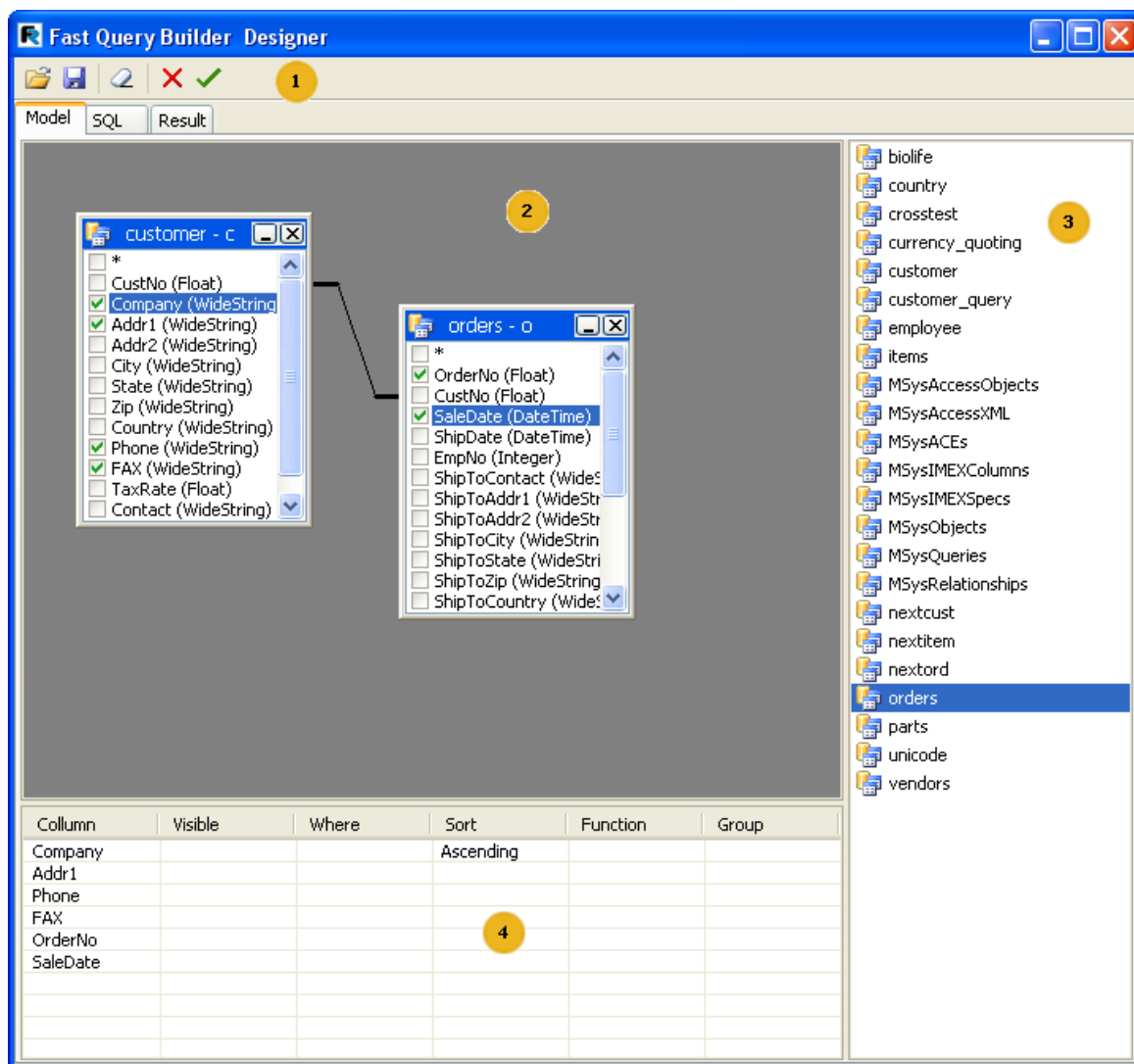
- SQL.



SQL
,
ADO".

13.5






FastReport (Professional, Enterprise)
(FastQueryBuilder,
).
SQL.
:



:

- 1 -
- 2 -
- 3 -
- 4 -

:

 - SQL
 - (
 -)
 - .
 - .

Drag&Drop, . . .

. . .

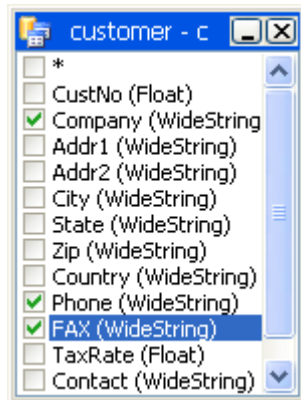
:

.

-

,

:



:

Column	Visible	Where	Sort	Function	Group
Company	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Phone			No		
FAX			Ascending		
OrderNo			Descending		
SaleDate					

- Visibility - , select
- Where - . '> 5'
- Sort - .
- Function - ,
- Group - .

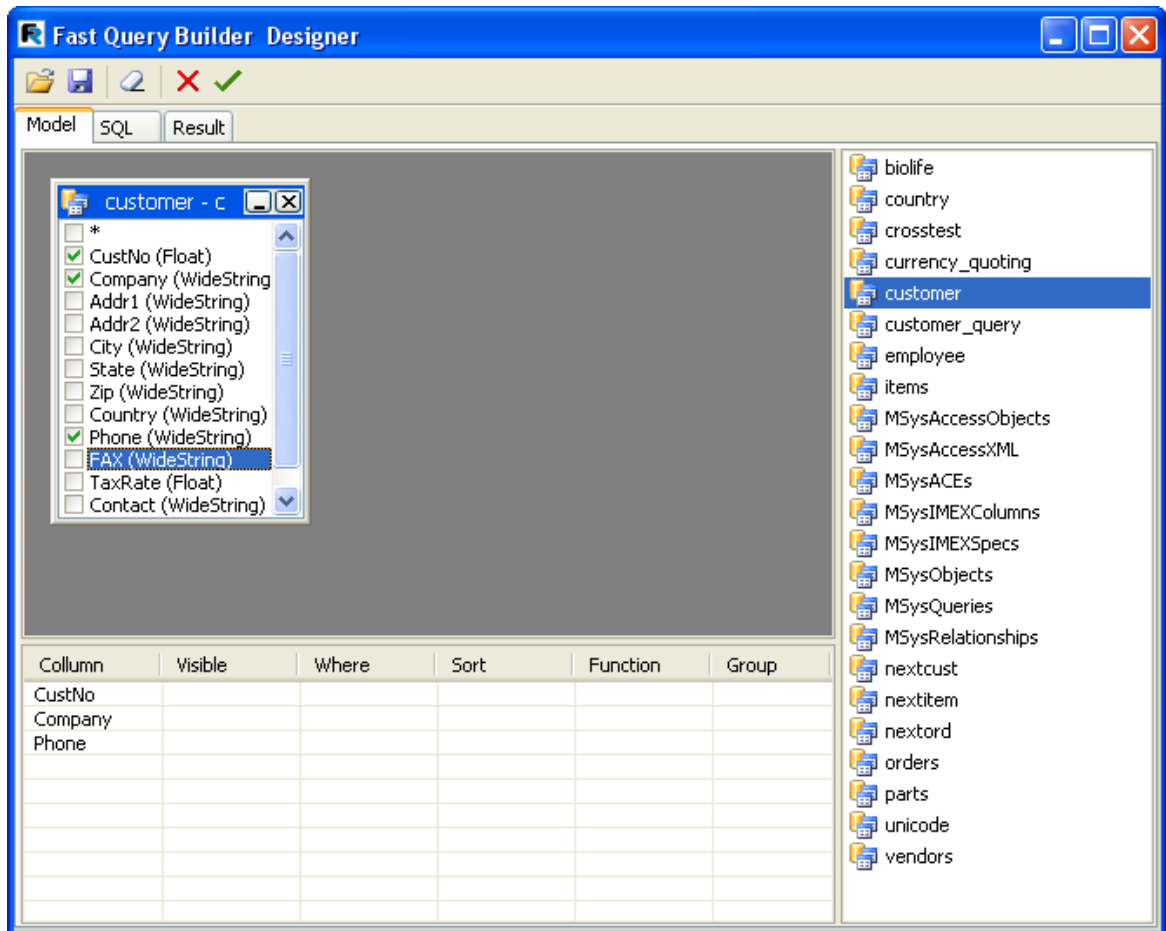
"

"

(join).

Link options.

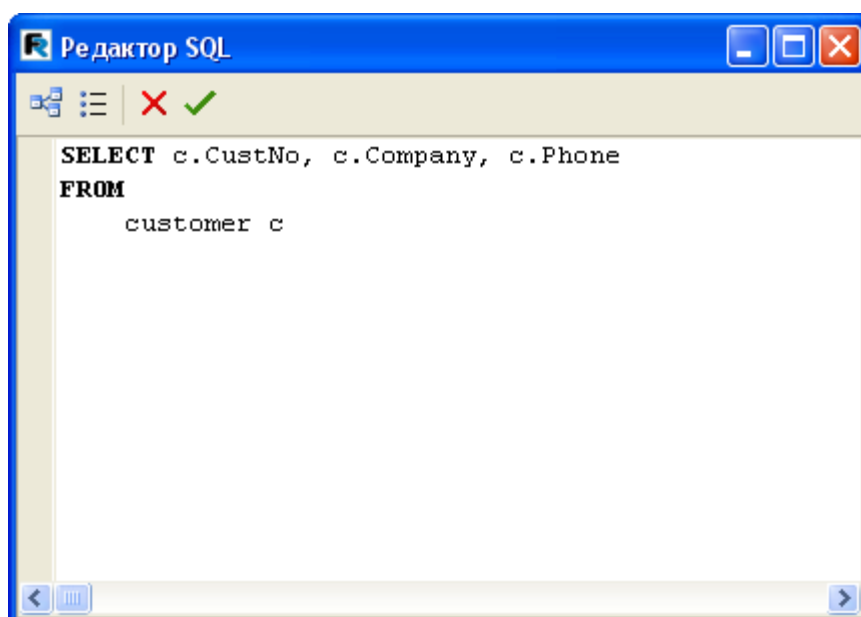
:



SQL,



Result



(! ,).

,
.
" 1 "

13.5.2

,
.

" 60).

("

SQL,

,
—

CustNo

. SQL-

:

```
select * from customer, orders
where orders.CustNo = customer.CustNo
order by customer.CustNo
```

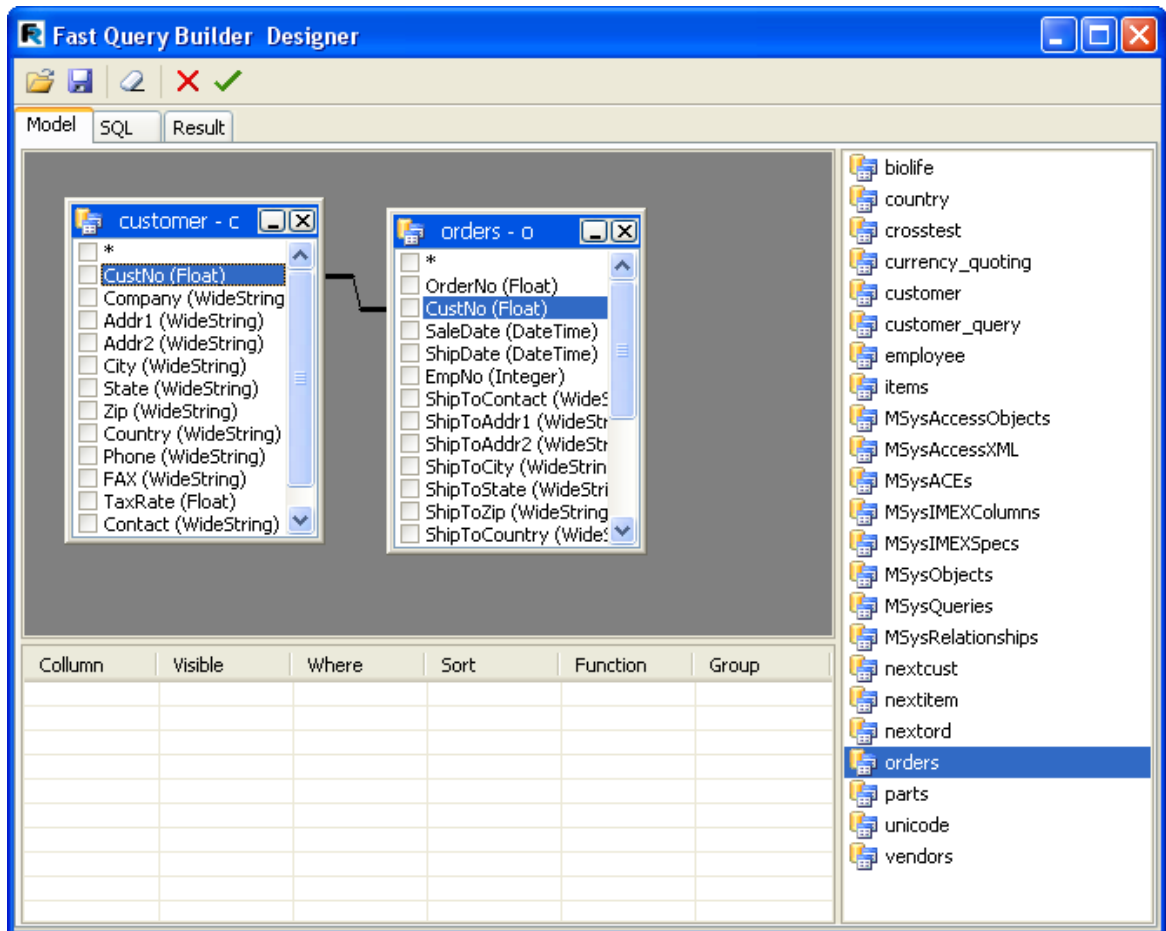
,

BDE Query.

– Customers Orders.

CustNo,
CustNo

:

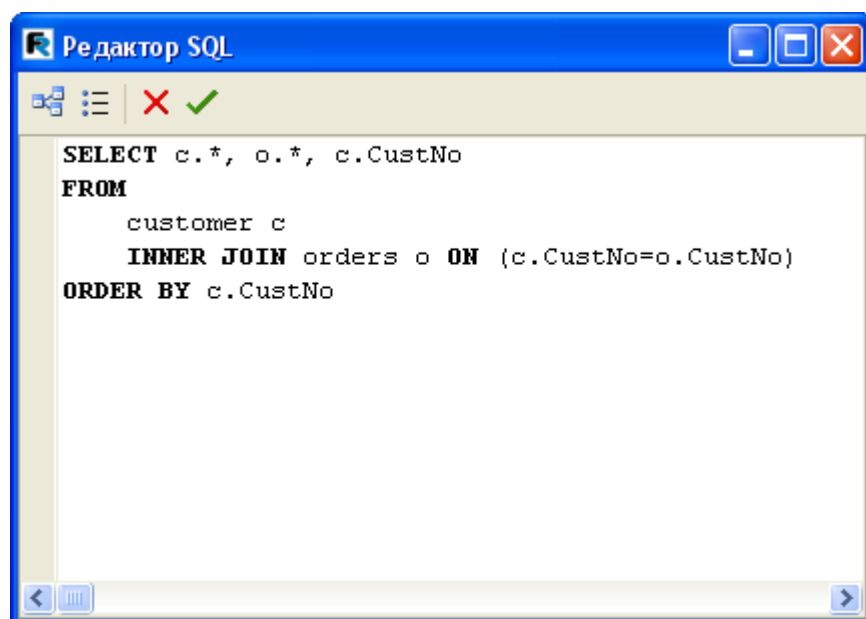


CustNo.
CustNo

Customer.

CustNo:

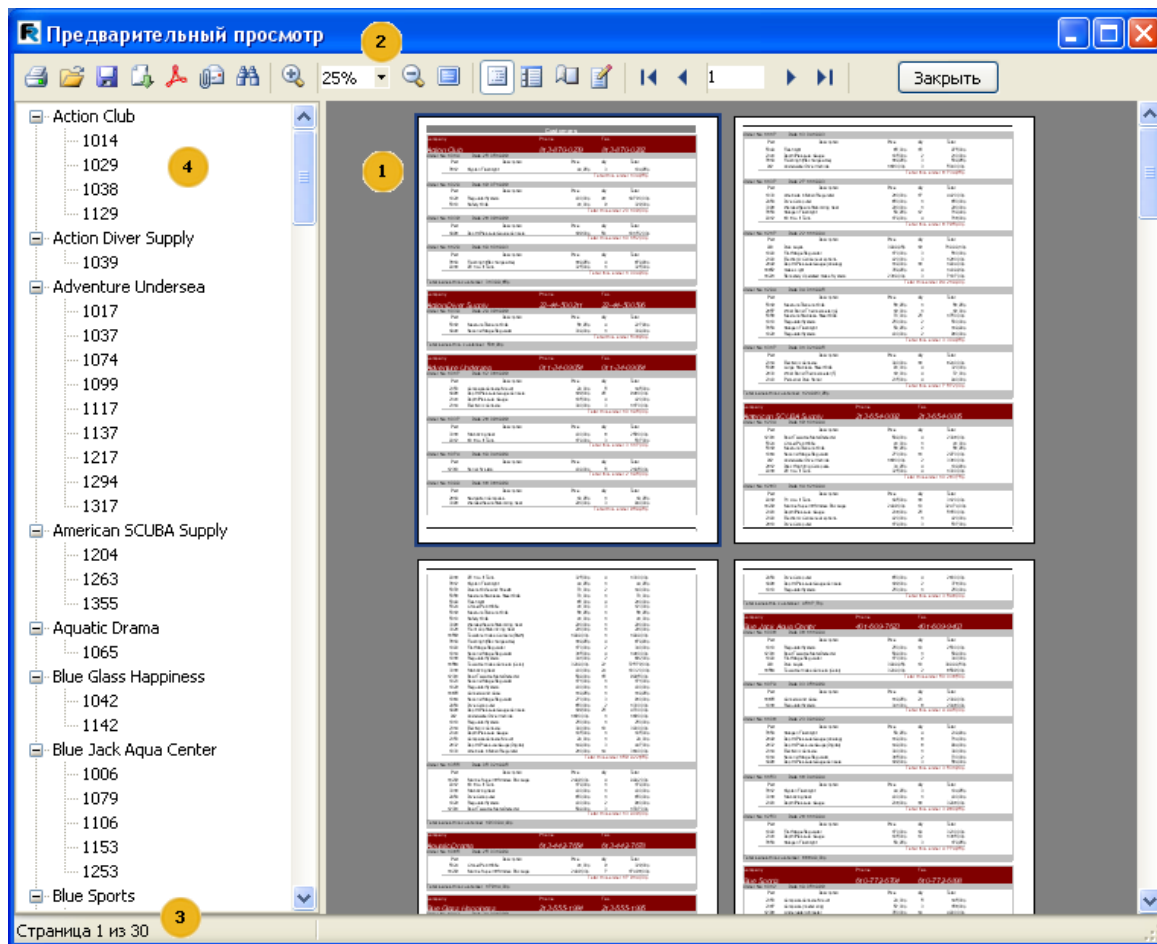
Column	Visible	Where	Sort	Function	Group
*					
*					
CustNo	<input type="checkbox"/>		Ascending	<input type="checkbox"/>	<input type="checkbox"/>





,



















,



- 1 – ;
- 2 – ;
- 3 – ;
- 4 – . (),



--	--	--

		– Ctrl+P.
		(*.fp3).
		(*.fp3).
		
	PDF	Adobe Acrobat (*:pdf).
		
		Ctrl+F.
		
100% ▾		
		
		
		
		
		
		
		
		
1		Enter.
		
		

14.1

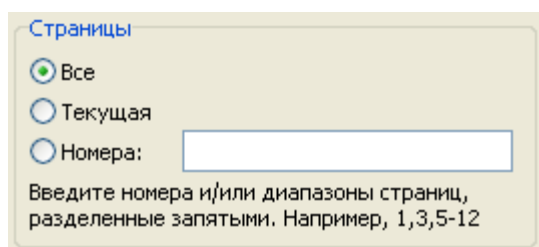
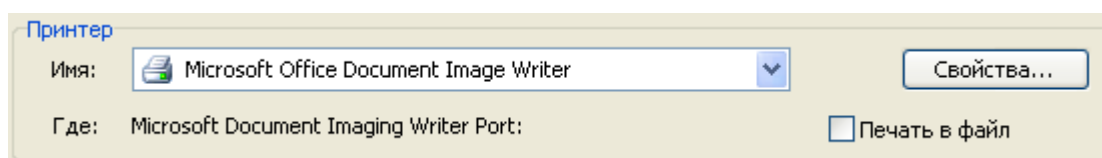
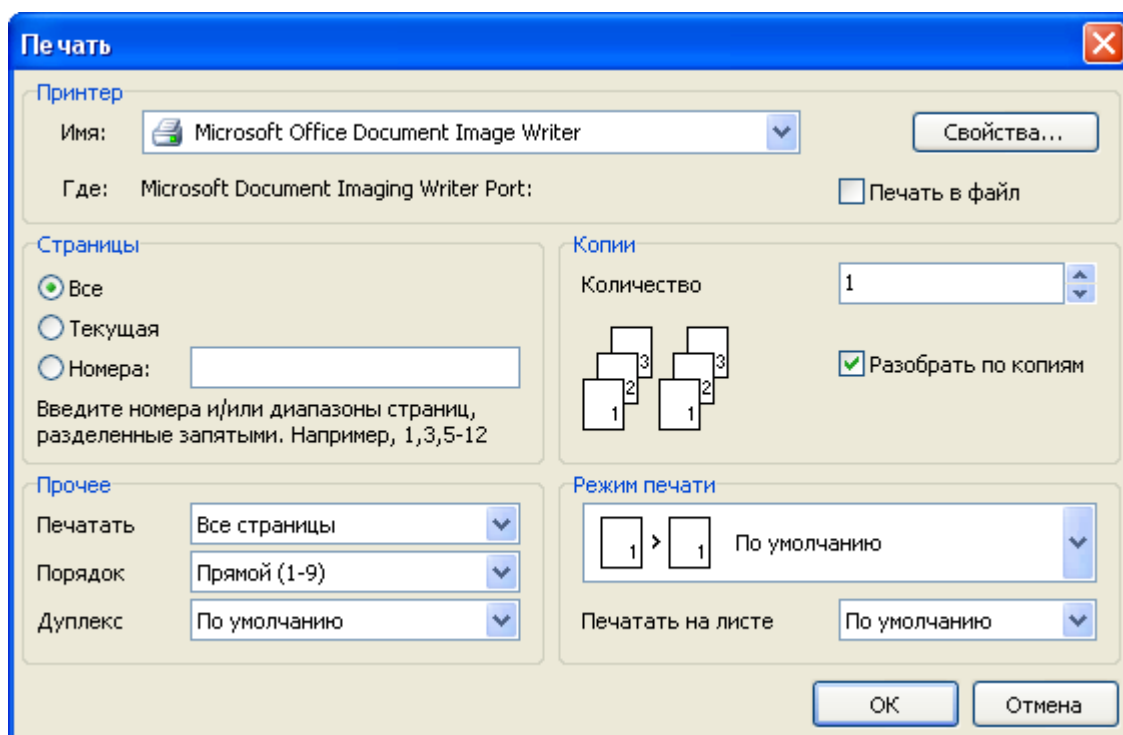
Ctrl+S	*.fp3.
Ctrl+P	.
Ctrl+F	.
F3	.
	.
PageUp, PageDown	/ .
Ctrl+PageUp, PageDown	/ .
Home	.
End	.

14.2

	(); « » (); « » - .
	; « » - .
	- .
	.

14.3

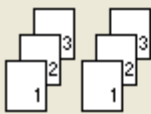
Ctrl+P).



" ":",
(" "):

Копии

Количество



☒ Разобрать по копиям

" ":",
(, ,), ,
(" " - (,
)
).

Прочее

Печатать

Порядок

Дуплекс

, " "

Режим печати

> По умолчанию

Печатать на листе

> По умолчанию

> Разрезать большие страницы

3 4.

> Объединять маленькие страницы

4 3.

Масштабировать

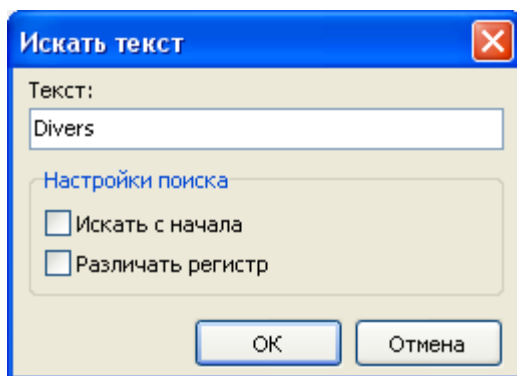
()

« », *.prn,

14.4

FastReport

(Ctrl+F).



;

()

:



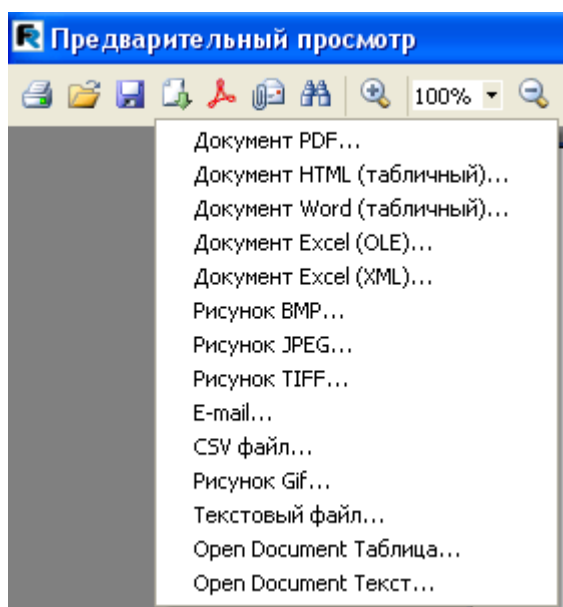
F3.

14.5

FastReport

13 : PDF, ODS, ODT, Excel, XML, RTF, HTML, text, CSV, BMP, Jpeg, Tiff, Gif.

FastReport



FastReport

3

:

- —
- —

,

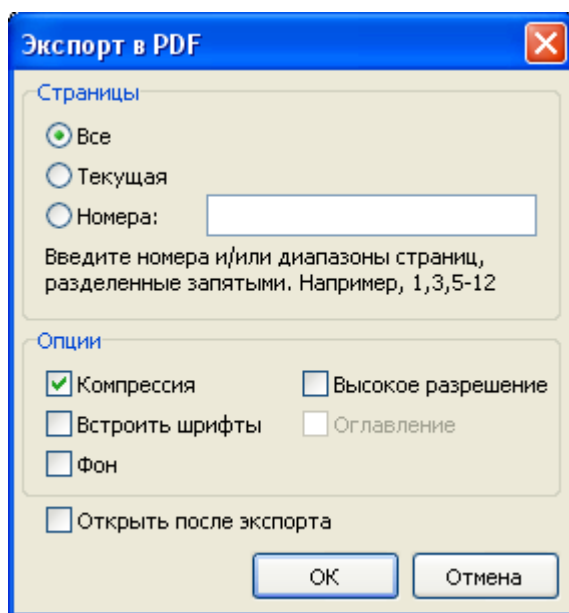
;

14.5.1

PDF

PDF (Portable Document Format) – формат документов, разработанный Adobe Systems. Для просмотра PDF-документов требуется программа Adobe Acrobat Reader.

PDF



PDF

PDF,

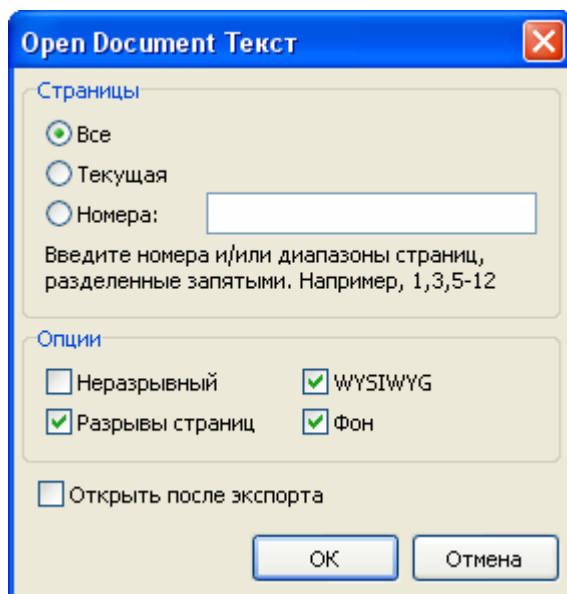
RichText

14.5.2 Open Document

OpenDocument Format (ODF, OASIS Open Document Format
for Office Application —)

OASIS XML- OpenOffice.org. 1
2006 ISO/IEC 26300.

FastReport (.ods)
(.odt) OpenDocumet.
OpenOffice.



:
 - -
 (,
),
 ;
 - WYSIWYG - ,
 ;
 ;
 ;
 ;
 : RichText ,

14.5.3

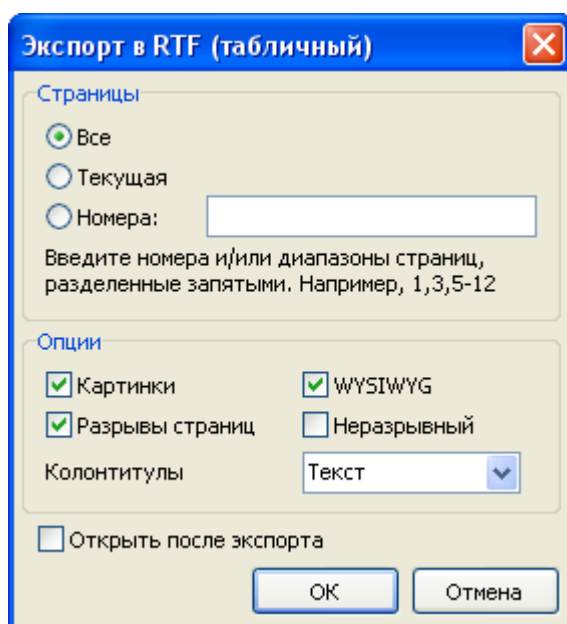
RTF

RTF (Rich Text Format)

Microsoft

RTF-

RTF



:

- - ;

- - RTF ;

- WYSIWYG - ,

;

- - (

), ,

;

- - :

(: , -

), -

;

- -

RTF ,

(, Microsoft WordPad).

: RichText

RTF,

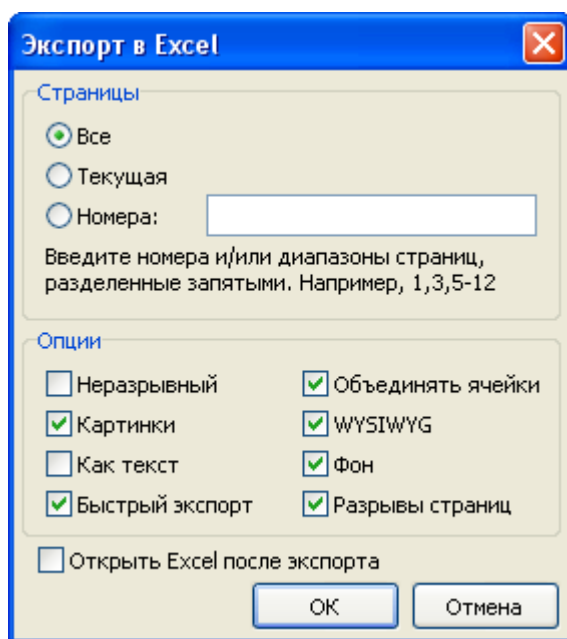
(« »);

14.5.4

Excel

Excel –
Microsoft Office System.

Excel



:

- -

(
)

;

- -

;

- -

;

- -

Excel,

;

- -

,

;

- WYSIWYG -

;

- - , ;

- - Excel;

- Excel - Excel.

:

- Excel

, RichText ,

14.5.5

XML

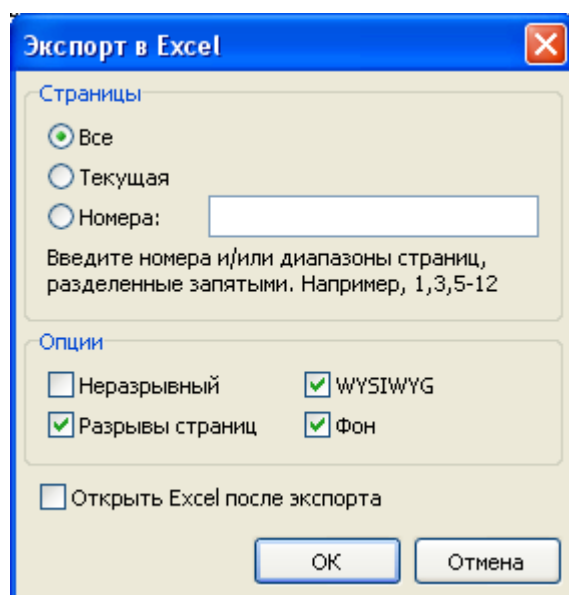
XML (Extensible Markup Language) -

. XML

. FastReport
Excel 2003

XML

XML



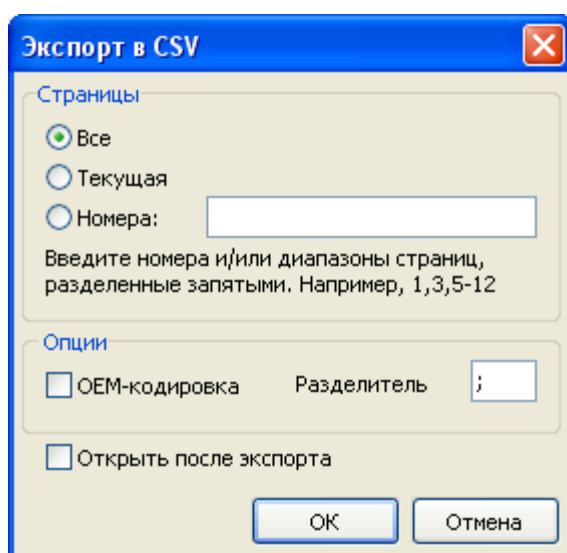
:

- (, ;
- ;
- WYSIWYG – ,
;
- – ,
- Excel –
Excel.
: RichText ,

14.5.6

CSV

CSV- ,
,
,
.
–
CSV



:

- OEM — OEM ;
 - — ;
 - — CSV ,

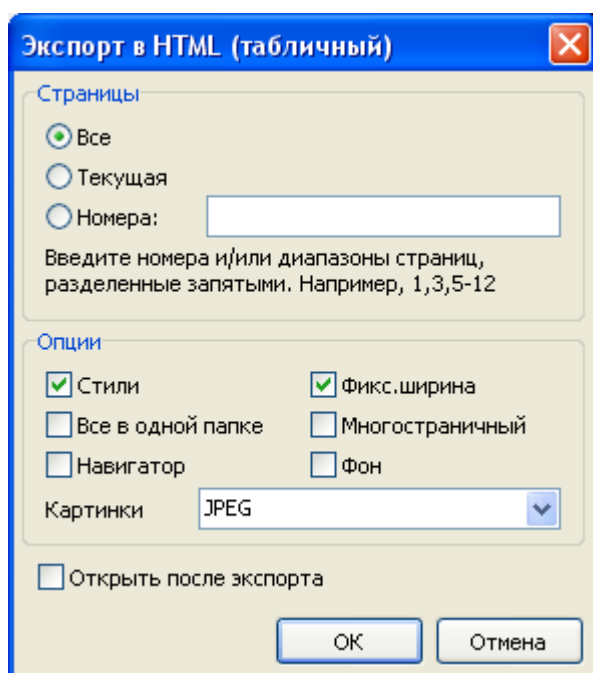
14.5.7

HTML

HTML (Hypertext Markup Language) –
 Internet. HTML

, HTML

HTML

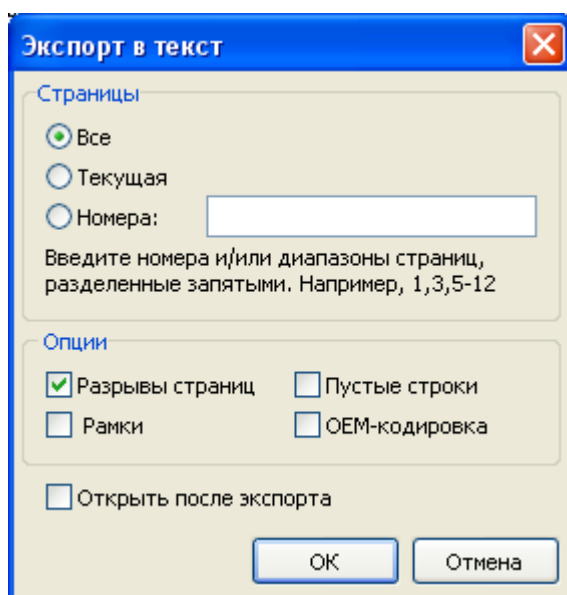


:

- — , ; ,
- , — ,
- ;
- — ;
- . — ;
- — ;
- — , ;
- — ;
- — ;
- — HTML ,
.
:
RichText ,
(« »).

14.5.8

— ,
.
— .
.



:

- - - ;
 - - - ;
 - - - ;
 - OEM- - OEM ;
 - - - ;

:

,

Jpeg, BMP, Gif, Tiff

14.5.9

FastReport

- JPEG (Joint Photographic Experts Group) –

,

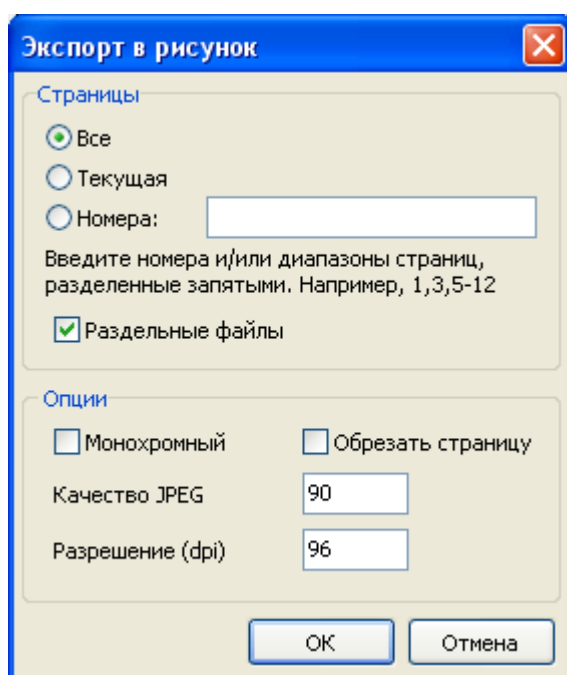
- BMP (Windows Device Independent Bitmap) –

, Windows.
 Windows.

- GIF (Graphics Interchange Format) – GIF

(, ,).

- TIFF, TIF (Target Image File Format) –



:
 - – ,
 ;
 - – ;
 - ,
 ;
 - JPEG – JPEG ,
 Jpeg ;
 - (dpi) –

14.6

FastReport

e-mail

Отослать по E-mail

E-mail Ящик

Письмо

Автор John Smith

Адрес john@hotmail.com

Организация

Подпись

Собрать

--
С уважением,
John Smith
mailto: john@hotmail.com

Подключение

Сервер smtp.hotmail.com Порт 25

Имя john Пароль *****

☒ Запомнить настройки

OK Отмена

- SMTP ;
- SMTP ;
- SMTP , ;
- ;
- .

«E-mail»:

Отослать по E-mail

E-mail Ящик

Сообщение

Адрес support@fast-report.com

Тема EMail export feature request

Текст Hello, ...

Приложение

Формат Документ PDF

☒ Расширенные настройки экспорта

OK Отмена

- ,
- ;
- ,
- ;
- ,

FastReport (.FP3);

«OK»

e-mail:

plain

SMTP

« » « » .

14.7

. FastReport

FastReport.

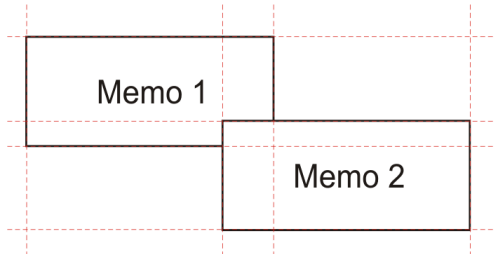
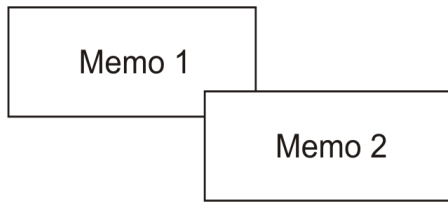
HTML, XLS, XML, RTF, CSV.

(
RTF),
FastReport.

HTML

FastReport

FastReport



RTF

150
300.

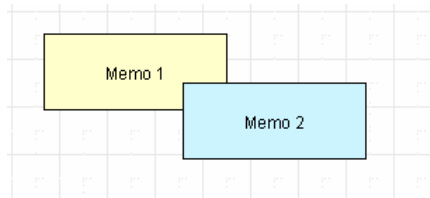
450

).

150.

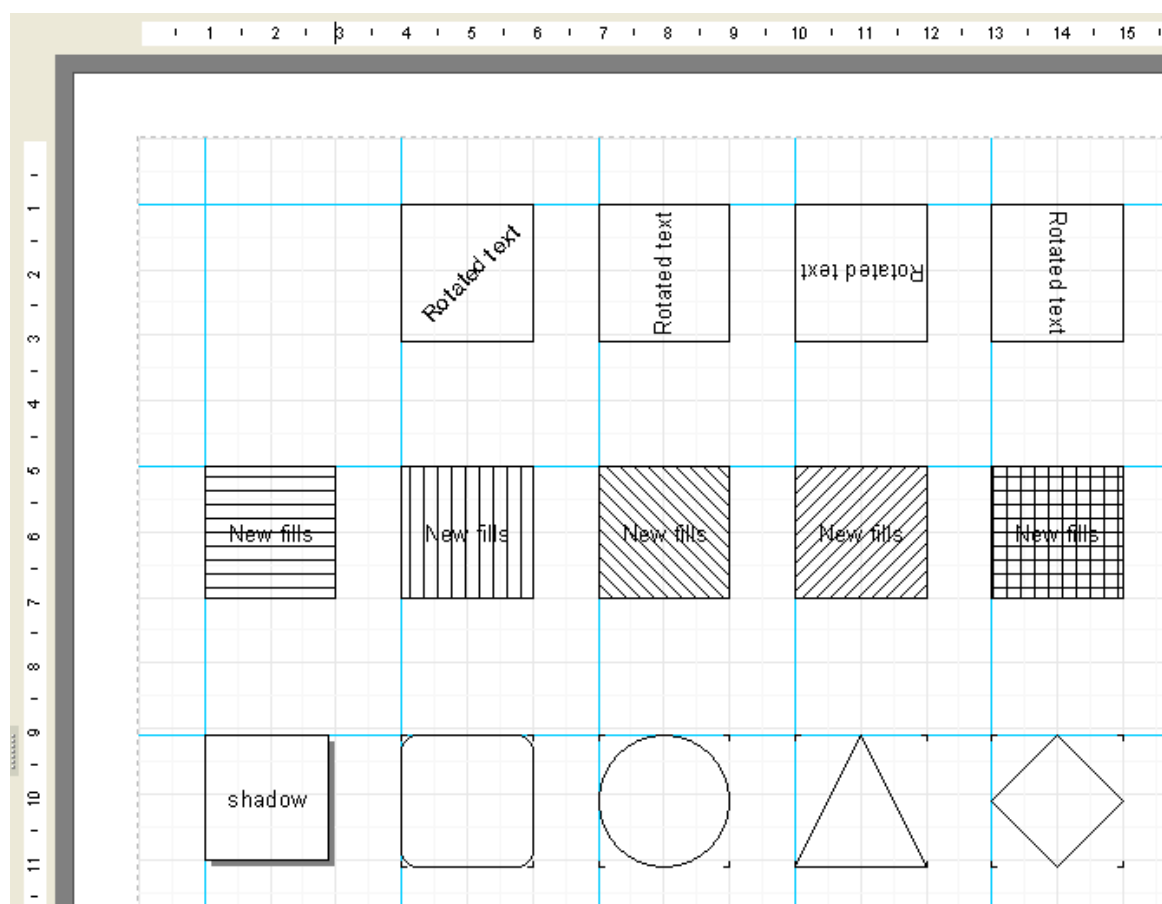
(150

,



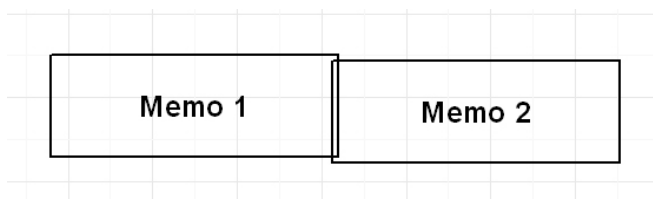
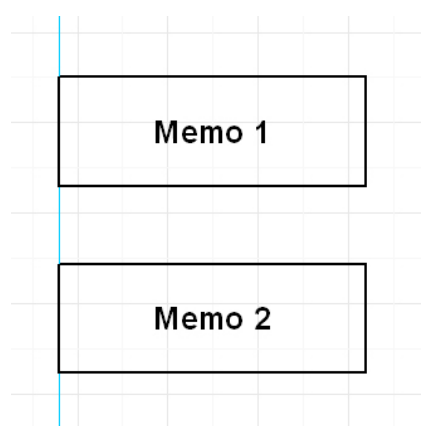
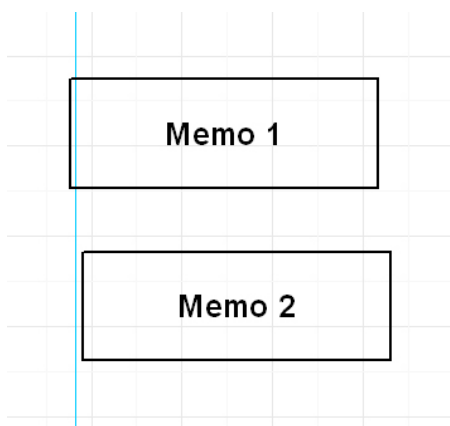
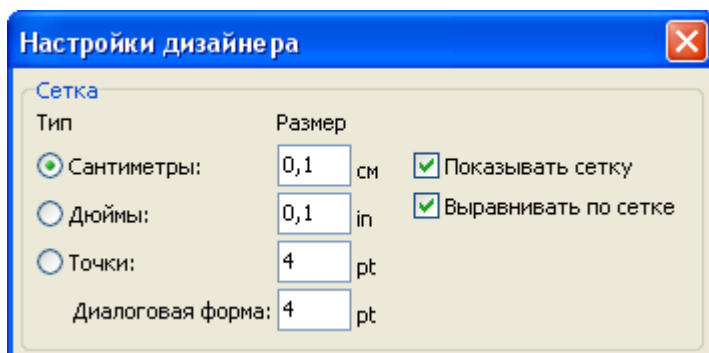
	C13		f _x	
	A	B	C	D
1	Memo 1			
2			Memo 2	
3				
4				

Excel



FastReport

« | ...>:



Memo 1	Memo 2
--------	--------

FastReport

