

```
1: unit TestData;
2:
3: interface
4:
5: uses
6:   Winapi.Windows, Winapi.Messages, System.SysUtils, System.Variants,
7:   System.Classes, Vcl.Graphics,
8:   Vcl.Controls, Vcl.Forms, Vcl.Dialogs, Data.DB, Vcl.Grids, Vcl.DBGrids,
9:   Vcl.StdCtrls;
10:
11: type
12:   TTestdatatable = class (TForm)
13:     CustomerGrid: TDBGrid;
14:     OrdersGrid: TDBGrid;
15:     OrderDetailsGrid: TDBGrid;
16:     ProductsGrid: TDBGrid;
17:     Button1: TButton;
18:     SearchTablesEdit: TEdit;
19:     SearchProductsBtn: TButton;
20:     SearchOrdersBtn: TButton;
21:     SearchOrderDetailBtn: TButton;
22:     procedure Button1Click(Sender: TObject);
23:     procedure SearchOrderDetailBtnClick(Sender: TObject);
24:     procedure SearchOrdersBtnClick(Sender: TObject);
25:     procedure SearchProductsBtnClick(Sender: TObject);
26:     private
27:       { Private declarations }
28:     public
29:       { Public declarations }
30:     end;
31:
32: var
33:   Testdatatable: TTestdatatable;
34:
35: implementation
36:
37: {$R *.dfm}
38:
39: uses DMain, Home;
40:
41: procedure TTestdatatable.Button1Click(Sender: TObject);
42: { Closes the current form and makes the 'Main' form visible again so that the user can carry out a new task. }
43: begin
44:   with DMain.DataMain.OrderDetailsSet do
45:     begin
46:       Close; { Data Set must be closed before changing the command text parameter. }
47:       CommandText := 'SELECT * FROM OrderDetails';
48:       Open; { Opening the Data Set will run the new Command Text and return the records that meet the query. }
49:     end;
50:   with DMain.DataMain.OrdersSet do
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51: begin
52:     Close; { Data Set must be closed before changing the command text parameter. }
53:     CommandText := 'SELECT * FROM Orders';
54:     Open; { Opening the Data Set will run the new Command Text and return the records that meet the query. }
55: end;
56: with DMain.DataMain.ProductsSet do
57: begin
58:     Close; { Data Set must be closed before changing the command text parameter. }
59:     CommandText := 'SELECT * FROM Products';
60:     Open; { Opening the Data Set will run the new Command Text and return the records that meet the query. }
61: end;
62: Testdatatable.Close;
63: { Closes the 'Testdata' form as it is no longer needed. }
64: HomeForm.Visible := True;
65: { Shows the 'Main' form so the user can carry out their next task. }
66: end;
67:
68: procedure TTestdatatable.SearchOrderDetailBtnClick(Sender: TObject);
69: begin
70:     with DMain.DataMain.OrderDetailsSet do
71:     begin
72:         Close; { Data Set must be closed before changing the command text parameter. }
73:         CommandText := 'SELECT * FROM OrderDetails WHERE OrderID LIKE "' +
74:             SearchTablesEdit.text + '"';
75:         Open; { Opening the Data Set will run the new Command Text and return the records that meet the query. }
76:     end;
77: end;
78:
79: procedure TTestdatatable.SearchOrdersBtnClick(Sender: TObject);
80: begin
81:     with DMain.DataMain.OrdersSet do
82:     begin
83:         Close; { Data Set must be closed before changing the command text parameter. }
84:         CommandText := 'SELECT * FROM Orders WHERE OrderID LIKE "' +
85:             SearchTablesEdit.text + '"';
86:         Open; { Opening the Data Set will run the new Command Text and return the records that meet the query. }
87:     end;
88: end;
89:
90: procedure TTestdatatable.SearchProductsBtnClick(Sender: TObject);
91: begin
92:     with DMain.DataMain.ProductsSet do
93:     begin
94:         Close; { Data Set must be closed before changing the command text parameter. }
95:         CommandText := 'SELECT * FROM Products WHERE UnitsInStock <= 5';
96:         Open; { Opening the Data Set will run the new Command Text and return the records that meet the query. }
97:     end;
98: end;
99:
100: end.
```