

```

unit Unit1;           // Release 05/03/17 built 95 (4.)
interface

uses
  Winapi.Windows, Winapi.Messages, System.SysUtils, System.Variants,
  System.Classes, Vcl.Graphics,
  Vcl.Controls, Vcl.Forms, Vcl.Dialogs, Vcl.Grids, Vcl.DBGrids,
  Datasnap.DBClient, Data.DB, ABSSMain, Vcl.ExtCtrls, Vcl.DBCtrls,
  Vcl.StdCtrls,
  Vcl.Mask, System.UITypes,
  Vcl.ComCtrls, System.DateUtils, JvSHFileOperation, JvBaseDlg;

type
  TForm1 = class(TForm)
    ABSDatabase1: TABSDatabase;
    DataSource1: TDataSource;
    DBGrid1: TDBGrid;
    ABSTable1: TABSTable;
    DBNavigator1: TDBNavigator;
    Edit1: TEdit;
    Edit2: TEdit;
    Edit3: TEdit;
    Edit4: TEdit;
    Label1: TLabel;
    Edit5: TEdit;
    Label2: TLabel;
    Button1: TButton;
    Button2: TButton;
    ABSQuery1: TABSQuery;
    Button3: TButton;
    Edit6: TEdit;
    Button4: TButton;
    Button5: TButton;
    Button6: TButton;
    Label3: TLabel;
    Button7: TButton;
    Label4: TLabel;
    Label5: TLabel;
    Button8: TButton;
    jvshfile1: TJvSHFileOperation;
    procedure FormCreate(Sender: TObject);
    procedure Button1Click(Sender: TObject);
    procedure Button2Click(Sender: TObject);
    procedure Button3Click(Sender: TObject);
    procedure Button4Click(Sender: TObject);
    procedure Button5Click(Sender: TObject);
    procedure Button6Click(Sender: TObject);
    procedure DBNavigator1Click(Sender: TObject; Button: TNavigateBtn);
    procedure Button7Click(Sender: TObject);
    procedure Button8Click(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  Form1: TForm1;
  filtro:string;
  somma:double;

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```
    inizio:TDateTime;  
    nk:boolean;  
implementation
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{ $R *.dfm }
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```
procedure TForm1.FormCreate(Sender: TObject);  
begin  
    ABSDatabase1.DatabaseFileName:=ExtractFilePath(Application.ExeName)+'ecom  
    .abs';  
    ABSDatabase1.Open;  
    ABSTable1.TableName:='ecomTB';  
    ABSTable1.Open;  
    TFloatField(ABSTable1.FieldByName('Prezzo')).DisplayFormat := '0.00';  
    ABSTable1.Last;  
    ABSTable1.Edit;  
    DataSource1.DataSet.Edit;  
    //inizializzazione  
    edit5.Text:='';  
    edit1.Text:=DateToStr(Now);  
    edit2.Text:='';  
    edit3.Text:='';  
    edit4.Text:='';  
    try  
        AbsTable1.First; { Go to first record, which sets Eof False }  
        inizio:= ABSTable1.FieldByName('DataOrd').AsDateTime;  
        Edit5.Text:= DateTimeToStr(inizio);  
        Label4.Caption:='Dal '+ABSTable1.FieldByName('DataOrd').AsString;  
        while not AbsTable1.Eof do { Cycle until Eof is True }  
        begin  
            somma:=somma+AbsTable1.FieldByName('prezzo').AsFloat;  
            AbsTable1.Next; { Eof False on success; Eof True when Next fails on  
last record }  
        end;  
    finally  
        Label3.Caption:='Totale acquistato = '+ floattostr(somma);  
        Label5.Caption:='€  
        '+FloatToStrF(Somma/(DaysBetween(Now,inizio)/30),ffFixed,4,2)+' al mese';  
        somma:=0;  
    end;  
  
end;
```

```
procedure TForm1.Button1Click(Sender: TObject); //cerca  
label vai;  
var  
    datafiltro:string;  
    chi: array[1..3] of smallint;  
    i: Integer;
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begin  
    i:=0;  
    if edit2.text<>'' then  
        begin  
            i:=i+1;  
            chi[i]:=2;  
        end;  
    if edit3.Text<>'' then  
        begin  
            i:=i+1;
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        chi[i]:=3;
    end;
    if edit4.Text<>' ' then
    begin
        i:=i+1;
        chi[i]:=4;
    end;

    if chi[3]>0 then
    begin
        filtro:=' Fornitore =' + QuotedStr(Edit2.Text)+' AND   Prodotto LIKE
'+quotedStr('%'+edit3.text+'%')+
        ' AND MezzoPag= '+QuotedStr(Edit4.Text);
        goto vai;
    end;

    if chi[2]>0 then
    begin
        if (edit2.Text<>' ') AND (edit3.Text<>' ') then
            filtro:=' Fornitore =' + QuotedStr(Edit2.Text)+' AND
Prodotto LIKE '+quotedStr('%'+edit3.text+'%');
            if (edit2.Text<>' ') AND (edit4.Text<>' ') then
                filtro:=' Fornitore =' + QuotedStr(Edit2.Text)+' AND
MezzoPag= '+QuotedStr(Edit4.Text);
                if (edit3.Text<>' ') AND (edit4.Text<>' ') then
                    filtro:=' Prodotto LIKE '+quotedStr('%'+edit3.text+'%')+
AND MezzoPag= '+QuotedStr(Edit4.Text);
                    goto vai;
                end;
            end;

        if chi[1]>0 then
        begin
            if (edit2.Text<>' ') then
                filtro:=' Fornitore =' + QuotedStr(Edit2.Text);
            if (edit4.Text<>' ') then
                filtro:=' MezzoPag= '+QuotedStr(Edit4.Text);
            if (edit3.Text<>' ') then
                filtro:=' Prodotto LIKE '+quotedStr('%'+edit3.text+'%');
            goto vai;
        end;

    vai:
    DataSource1.DataSet:=ABSQuery1;
    with ABSQuery1 do
    begin
        close;
        if i=0 then
            SQL.text := 'select * from ecomTB' else
            SQL.text := 'select * from ecomTB where'+filtro;
        ExecSql;
        open;
        TFloatField(ABSQuery1.FieldByName('Prezzo')).DisplayFormat :=
'##0.00';
    end;
    datafiltro:= 'DataOrd <= ' + quotedStr(edit1.Text)+' AND DataOrd >=
'+quotedStr(Edit5.Text);
    ABSQuery1.FilterOptions := [foCaseInsensitive];
    ABSQuery1.Filter := datafiltro;
    ABSQuery1.Filtered:=True;

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end;
procedure TForm1.Button2Click(Sender: TObject);
begin
    edit5.Text:='01/02/2014';
    edit1.Text:=DateToStr(Now);
    edit2.Text:='';
    edit3.Text:='';
    edit4.Text:='';
    ABSQuery1.Close;
    DataSource1.DataSet:=ABSTable1;
    ABSTable1.Filtered:= False;
    ABSTable1.Last;
end;
procedure TForm1.Button3Click(Sender: TObject);
begin
    DataSource1.DataSet:=ABSTable1;
    ABSQuery1.Close;
end;

procedure TForm1.Button4Click(Sender: TObject);
begin
    DataSource1.DataSet:=ABSQuery1;
    edit6.Text:= StringReplace(edit6.text,',','.',[rfReplaceAll]);
//SQL vuole il punto come separatore decimale
    with ABSQuery1 do
    begin
        close;
        SQL.text := edit6.Text;
        ExecSql;
        open;
        TFloatField(ABSQuery1.FieldByName('Prezzo')).DisplayFormat :=
        '##0.00';
    end;
end;

procedure TForm1.Button5Click(Sender: TObject);
begin
    Edit6.Text:= 'select * from ecomTB ORDER by DataOrd Desc';
    Button4Click(Sender);
    Edit6.Text:= 'select * from ecomTB';
end;

procedure TForm1.Button6Click(Sender: TObject);
begin
    if messageDlg('Vuoi veramente cancellare i dati
?',mtConfirmation,mbYesNo,0)=mrNo then
        exit;
    ABSTable1.Close;
    ABSTable1.EmptyTable;
end;

procedure TForm1.Button7Click(Sender: TObject);
begin
    DataSource1.DataSet:=ABSTable1;
    ABSQuery1.Close;
    ABSTable1.edit;
    ABSTable1.close;
    ABSDatabase1.Close;
    Form1.release;

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        application.Terminate;
end;

procedure TForm1.Button8Click(Sender: TObject);
begin
    if MessageDlg('Confermi di voler effettuare il backup del DataBase ?',
        mtconfirmation, [mbYes,mbNo], 0) = mrYes then
        begin
            ABSDatabase1.Close;
            JVSHFile1.Execute;
            ABSDatabase1.Open;
            ABSTable1.Open;
            if FileExists('ecom.bkp') then
                ShowMessage('Effettuato il backup') else
                begin
                    ShowMessage('Errore ! Backup non effettuato');
                    Exit;
                end;
        end;

        // Ricordarsi di mettere in event OnClose -> Button10 e in Object
        explorer del componente JvHSFile1 il nome del database
        end else Exit; //in source e in "destFile" il nome del bckup
end;

procedure TForm1.DBNavigator1Click(Sender: TObject; Button:
TNavigateBtn);
    var
        d1,d2:TDate;

begin
    if (Button = nbInsert) then
        ABSTable1.Append;

    if (Button = nbPost) then
        begin
            d1:=ABSTable1.FieldName('DataOrd').AsDateTime;
            d2:=ABSTable1.FieldName('Datacons').AsDateTime;
            if (d2<d1) and (d2>0) then
                ShowMessage('Errore di date');
            if d2>d1 then
                begin
                    ABSTable1.Edit;
                    ABSTable1.FieldName('delta').AsInteger:=
DaysBetween(d2,d1);
                    ABSTable1.Post;
                end else
                    if d1>inizio then
                        begin
                            ABSTable1.Edit;
                            ABSTable1.Post;
                        end else
                            begin
                                ShowMessage('Errore nella Data Ordine');
                                Exit;
                            end;
                    FormCreate(Self);
        end;
end;
end;

```

end.