
C:\Users\edward\Desktop\Limpopo_IT_RecordExam2013\Limpopo_IT_RecordExam2013\Limpopo_Prelim_ITDelphi2013\DATA\D7Q1\Question1TripleTTyresU.pas

```
unit Question1TripleTTyresU;
```

```
interface
```

```
uses
```

```
Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,  
Dialogs, StdCtrls, DB, ADODB, Grids, DBGrids, ExtCtrls, Buttons,  
jpeg;
```

```
type
```

```
TfrmSQLQuestion = class(TForm)  
    Panel1: TPanel;  
    dbgQry: TDBGrid;  
    Panel2: TPanel;  
    btnB: TButton;  
    btnC: TButton;  
    btnD: TButton;  
    qryADO: TADOQuery;  
    DSADO_Qry: TDataSource;  
    BitBtn1: TBitBtn;  
    btnA: TButton;  
    btnE: TButton;  
    Image1: TImage;  
    procedure btnBClick(Sender: TObject);  
    procedure btnCClick(Sender: TObject);  
    procedure btnDClick(Sender: TObject);  
    procedure btnAClick(Sender: TObject);  
    procedure btnEClick(Sender: TObject);
```

```
private  
    { Private declarations }  
public  
    { Public declarations }  
end;
```

```
var
```

```
    frmSQLQuestion: TfrmSQLQuestion;
```

```
implementation
```

```
{ $R *.dfm }
```

```
procedure TfrmSQLQuestion.btnAClick(Sender: TObject);  
begin  
    // Write a query to determine the number of trucks that is due for inspection, with a suitable  
    // column name  
    // a truck is due for inspection if the last inspection date was more than a 100 days ago  
    // [5]  
end;
```

```
procedure TfrmSQLQuestion.btnBClick(Sender: TObject);  
begin  
    // List the RegNo, TyrePosition, TyreSize, Make, FleetName, NewRetread, RecPressure and ActPressure  
    // fields from the trucks and their corresponding tyredetails  
    // for all the trucks per fleet where a tyre of a truck was overinflated and the applicable tyre  
    // is a retread  
end;
```

```
procedure TfrmSQLQuestion.btnCClick(Sender: TObject);  
begin  
    // Retrieve all the records from the tyrestockdetails table  
    // and display the ID, Brand, Model and SizeCode fields as  
    // well as the Diameter of the tyre in Inches and in Cm's  
    // where 1 inch = 2.54 cm (Note the column/field headings)  
    // which is produced by Michelin, and Goodyear that will fit  
    // an 18 inch rim, and have a width of 245mm.  
    // The records should be sorted according to the diameter  
    // [15 Marks]  
end;
```

```
procedure TfrmSQLQuestion.btnDClick(Sender: TObject);  
begin
```

```
// Write the SQL query that will allow a user to enter a tyre brand in a n inputbox
// and retrieve all the tyre details from the TyreStockDetails of the brand that was entered.
end;

procedure TfrmSQLQuestion.btnEClick(Sender: TObject);
begin
    // Afrox Polokwane has obtained three brand new trucks which should be added
    // to the Trucks table. The inspection date should be set to the current date.
    // The other details of the three new trucks is stored in the NewTrucks.txt textfile
    // Write the code that will process the textfile where the fields are seperated with commas
    // and add the records to the truck table accordingly
    // Declare all variables to be used as part of the OnClick event of the [] button
    // You may assume that the file will exist [16]
end;

end.
```