unit Question1\_U;//Memo

interface

uses

Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,

Dialogs, StdCtrls, ComCtrls, Menus, ExtCtrls;

type

TfrmQuestion1 = class(TForm)

gpbQuestion1\_1: TGroupBox;

Label1: TLabel;

Label2: TLabel;

edtName: TEdit;

edtTown: TEdit;

btnQuestion1\_1: TButton;

pnlDisplay: TPanel;

gpbQuestion1\_2: TGroupBox;

cbbItems: TComboBox;

Label4: TLabel;

edtNumber: TEdit;

btnQuestion1\_2: TButton;

imgItems: TImage;

gpbQuestion1\_3: TGroupBox;

gpbQuestion1\_4: TGroupBox;

rgpDeliveryOptions: TRadioGroup;

btnQuestion1\_3: TButton;

redCosts: TRichEdit;

ckbPriority: TCheckBox;

btnQuestion1\_4: TButton;

Label3: TLabel;

edtWeight: TEdit;

pnlCosts: TPanel;

Panel1: TPanel;

edtTotal: TEdit;

procedure btnQuestion1\_1Click(Sender: TObject);

procedure btnQuestion1\_3Click(Sender: TObject);

procedure btnQuestion1\_4Click(Sender: TObject);

procedure btnQuestion1\_2Click(Sender: TObject);

procedure FormActivate(Sender: TObject);

private

{ Private declarations }

// mydisplay:TPanel;

rCost:real;

iNumItems,iTotalNumItems:integer;

public

{ Public declarations }

end;

var

frmQuestion1: TfrmQuestion1;

// pnlDisplay:mydisplay;

implementation

{$R \*.dfm}

procedure TfrmQuestion1.btnQuestion1\_1Click(Sender: TObject);

var iLen: integer;

sRegisterCode: string;

begin

// Question 1.1==============================================(11)=====

if edtName.Text = '' then✓

showmessage('Please enter the name') ✓

else✓

if edtTown.Text = '' then✓

showmessage('Please enter the town')

else

begin

iLen:= length(edtName.Text); ✓

sRegisterCode:=copy(edtName.text,pos(' ' ,edtName.Text),iLen) ✓ +'$'✓+intToStr(random(10)+1) ✓+edtTown.Text[1] ✓;

pnlDisplay.Visible:=true; ✓

pnlDisplay.Caption:=sRegisterCode; ✓

end;

end;

procedure TfrmQuestion1.btnQuestion1\_2Click(Sender: TObject);

begin

// Question1.2==========================================(7)=======

imgItems.Stretch:=true; ✓

case cbbItems.ItemIndex of ✓

1: imgItems.Picture.LoadFromFile('Laptop.bmp'); ✓✓

2: imgItems.Picture.LoadFromFile('EarPhones.bmp');

3: imgItems.Picture.LoadFromFile('XBox.bmp');

end;

iNumItems:=StrToInt(edtNumber.text); ✓

inc(iTotalNumItems,iNumItems); ✓

edtTotal.Text:=IntToStr(iTotalNumItems)+' item(s)'; ✓

end;

procedure TfrmQuestion1.btnQuestion1\_3Click(Sender: TObject);

var rCost,rParcelWeight:real;

begin

// Question 1.3 =========================================(10)=======

case rgpDeliveryOptions.itemindex of ✓

0 : rCost:= 250; ✓

1 : begin✓

rCost :=0; ✓

pnlCosts.font.Color:=clRed; ✓

end;

2 : begin

rParcelWeight:= StrToFloat(edtWeight.text); ✓

rCost := 12.30 \* rParcelWeight; ✓✓

end

else

showmessage('Select a delivery method');

end;

if ckbPriority.Checked then rCost:=rCost \* 1.18; ✓✓

pnlCosts.Caption:={'Delivery Costs: '+}floatToStrF(rCost, ffCurrency,5,2); ✓

end;

procedure TfrmQuestion1.btnQuestion1\_4Click(Sender: TObject);

var rInland,rCoastal,rCostIn,rCostCo:real;

iCount:integer;

begin

//Given code

redCosts.Paragraph.TabCount:=3;

redCosts.Paragraph.Tab[0]:=70;

redCosts.Paragraph.Tab[1]:=150;

redCosts.Paragraph.Tab[2]:=180;

redCosts.Clear;

// Question 1.4 ====================================================(12)=========

rInland:=218;

rCoastal:=168;

redCosts.lines.Add('Distance'+#9+'Inland'+#9+'Coastal'); ✓

redCosts.lines.Add('<5 kms'+#9+'Free'+#9+'Free'); ✓

iCount := 5; ✓

while icount < 50 do ✓

begin

rCostIn:= rInland \* iCount / 100 + rCost; ✓

rCostCo:= rCoastal \* iCount / 100 + rCost; ✓

redCosts.Lines.add(IntToStr(iCount)+'..'+IntToStr(iCount+5)+#9+FloattoStrF(rCostIn,ffCurrency,4,2)+#9+ FloattoStrF(rCostCo,ffCurrency,4,2)); ✓✓✓✓

inc(iCount,5); ✓

rInland:= rInland – 9.8; ✓

rCoastal:=rCoastal -9.8;

end;

end;

end.