**Suggested Answer – Grade 11 Information Technology Paper 1 – November 2016**

unit Q1\_Unit;

var

frmHP\_Agreement: TfrmHP\_Agreement;

newLabel : TLabel;

sName : String;

rPrice , Deposit, rNetSal ,rIntPaid ,rNewBal : real;

per : integer;

implementation

//1.1

procedure TfrmHP\_Agreement.btnDepositClick(Sender: TObject);

begin

rPrice := StrTOFloat(edtPrice.Text);

sName := edtName.Text;

rNetSal := StrToFloat(edtNetSal.Text);

if rNetSal>=20000 then Deposit := 0

else if rNetSal>=15000 then Deposit := rPrice\*(0.05)

else if rNetSal>=8000 then Deposit := rPrice\*(0.1)

else if rNetSal>=5000 then Deposit := rPrice\*(0.15)

else Deposit := rNetSal\*(0.25);

newLabel := TLabel.Create(frmHP\_Agreement);

newLabel.Top := 120;

newLabel.Left := 25;

newLabel.Parent := frmHP\_Agreement.Panel1;

newLabel.Caption := sName + ' Your deposit required is R '+FloatToStrF(Deposit,ffFixed,6,2);

end;

//1.2.

procedure TfrmHP\_Agreement.btnCalculateInterestClick(Sender: TObject);

begin

per := StrToInt(cmbPeriod.Items[cmbPeriod.ItemIndex]);

rNewBal := rPrice - Deposit;

edtNewBal.Text := 'R'+FloatToStrf(rNewBal,ffFixed,6,2);

rIntPaid := rNewBal \* 18.5/100\*per;

edtIntPaid.Text := 'R'+FloatToStrf(rIntPaid,ffFixed,6,2);

end;

end.

//1.3.

procedure TfrmHP\_Agreement.btnHP\_ProfileClick(Sender: TObject);

Var instlmnt, totalPaid : real;

begin

instlmnt := (rNewBal + rIntPaid)/(per\*12);

totalPaid := instlmnt\*per\*12; //or totalPaid := rPrice + rIntPaid;

redOutput.Lines.Add('Name of Client: '+#9+sName);

redOutput.Lines.Add('Price of Item: '+#9+'R'+FloatToStrf(rPrice,ffFixed,6,2));

redOutput.Lines.Add('Payment Period: '+ #9+IntToStr(per) +' years.');

redOutput.Lines.Add('Deposit Paid: '+'R'+#9+ FloatToStrf(Deposit,ffFixed,6,2));

redOutput.Lines.Add('Interest Rate:'+#9+ '18.5%');

redOutput.Lines.Add('Interest Paid: '+#9+ 'R'+FloatToStrf(rIntPaid,ffFixed,6,2));

redOutput.Lines.Add('Instalment: '+#9+ 'R'+FloatToStrf(instlmnt,ffFixed,6,2));

redOutput.Lines.Add('Total Paid: '+#9+ 'R'+FloatToStrf(totalPaid,ffFixed,10,2));

end;

var

Form1: TForm1;

arrFilDat : Array[1..25] of String;

numValid , FileCount: Integer;

arrSalesmen : Array[1..13] of String;

arrPrice : Array[1..13] of real;

price : real;

c: Integer;

Function ValidateSaleID(str : String):Boolean;

var i : integer;

result : Boolean;

begin

result := true;

for i := 1 to 3 do

if not (str[i] in ['A'..'Z']) then result := false;

for i := 4 to 5 do

if not(str[i] in ['0'..'9']) then result := false;

for i := 6 to 8 do

if not(str[i] in ['a'..'z']) then result := false;

if Length(str) <> 8 then result := false;

ValidateSaleID := result;

end;

procedure TForm1.btnListOfSalesmenClick(Sender: TObject);

Var i,k : integer;

line, names , nameList:String;

begin

redOutput.Clear;

redOutput.Lines.Add('The List of all the salesman!'+#13);

c:=0; //1

for i := 1 to FileCount do//2

begin

line := arrFilDat[i]; //3

for k := 1 to 3 do // 4,5 marks for deleting fields b4 name

begin

delete(line,1,Pos(',',line ) );

end;

names := copy(line,1,pos(',',line)-1); //6

arrPrice[i] := StrToFloat(copy(line,pos(',',line)+1)); //7

if pos(names,nameList) = 0 then //8

begin

nameList := nameList + names; //9

c:=c+1; //10

arrSalesmen[c] := names ; //11

redOutput.Lines.Add(arrSalesmen[c]); //12

end;

end;

redOutput.Lines.Add(#13+'The number of salesmen for the month is '+IntToStr(c)); //13

end;

procedure TForm1.btnReadFileValidateIDClick(Sender: TObject);

Var tFile : TextFile; //1

line,id , invalid : String; //1

valid : integer;

begin

AssignFile(tFile,'C:\Users\User\Desktop\Nov2016P1Gr11\Q2\SalesData.txt'); //2

Reset(tFile);

if FileExists('C:\Users\User\Desktop\Nov2016P1Gr11\Q2\SalesData.txt') //2

then begin

FileCount := 0; // 1

while not Eof(tFile) do //1

begin

inc(FileCount); //1

readln(tFile,line); //1

arrFilDat[FileCount] := line; //1

id := copy(line,1,8); //1

if ValidateSaleID(id) //1

then begin

redOutput.Lines.Add(id + #9+'Valid ID');//1

inc(valid); //1

end

else redOutput.Lines.Add(id + #9+'InValid ID') //1

end;

redOutput.Lines.Add('Total valid codes = '+IntToStr(valid)); //1

redOutput.Lines.Add('Total invalid codes = '+IntToStr(FileCount - valid));//1

end

else ShowMessage('File does not Exist!!!'); //1

close(tFile);

end;

procedure TForm1.btnSalesAmountsClick(Sender: TObject);

Var i , k : Integer;

begin

redOutput.Clear;

redOutput.Lines.Add('The list of salesmen and their total sales for the month:'+#13);

for i := 1 to c do //1

begin

price := 0; //2

for k := 1 to FileCount do //3

begin

if pos(arrSalesmen[i],arrFilDat[k])<>0 then //3,4

begin

price:= price + arrPrice[k]; //5

end;

end;

arrPrice[i] := price; //6

redOutput.Lines.Add(arrSalesmen[i] + #9+FloatToStrf(arrPrice[k],ffFixed,6,2)); //7,8

end;

end;

procedure TForm1.btnSalesOrderClick(Sender: TObject);

Var i , j : Integer;

tempName : String; //1 for variable decl esp temps

tempPrice : real;

begin

for i := 1 to c-1 do //2

begin

for j := i+1 to c do //3

begin

if arrPrice[i] < arrPrice[j] then //4,5 sign and loops

begin

tempName := arrSalesmen[i];

arrSalesmen[i] := arrSalesmen[j];

arrSalesmen[j] := tempName; //6,7,8,9

tempPrice := arrPrice[i]; //2 for names 2 for price

arrPrice[i] := arrPrice[j];

arrPrice[j] := tempPrice;

end;

end;

end;

redOutput.Lines.Add(#13+'The sales ordered in descending order of sales:'+#13);

for i := 1 to c do //10 for print

begin

redOutput.Lines.Add(arrSalesmen[i]+#9+FloatToStr(arrPrice[i])); //11,12 values+formats

end;

end;

end.

Procedure salesmanSearch();

Var found : boolean;

cnt : Integer;

sName : String;

begin

found := false;

cnt := 1;

sName := InputBox('Data Entry','Enter name os salesman!','');

while (not found) and (cnt <= Length(arrSalesmen))do

begin

if sName = arrSalesmen[cnt] then found := true;

inc(cnt);

end;

if found then ShowMessage(sName+' is found in the list!')

else ShowMessage(sName+' is not found in the list!');

end;

Q3

procedure TForm1.btnFilterByFemalesClick(Sender: TObject);

begin

tblTeam.open;

with tblTeam do

begin

Filter := 'Gender = ''F'''; //1,2

Filtered := True; //3

end;

ShowMessage('The number of females in the team is '+IntToStr(tblTeam.RecordCount)); //3,4

tblTeam.Filtered := false; //5

end;

procedure TForm1.Button2Click(Sender: TObject);

begin

end;

procedure TForm1.btnInsertClick(Sender: TObject);

Var insertName : String;

insertTotSales : Real;

insertID, InsertCom : Integer; //1,2 for variables

insertGender, insertAgent : String;

begin

insertName := InputBox('Data Entry','Eneter new name','');

insertGender := InputBox('Data Entry','Eneter new gender','');

insertAgent := InputBox('Data Entry','Eneter new Agent',''); //3,4 for any more than 3 correct inputs

insertTotSales := StrToFloat(InputBox('Data Entry','Enter new Sales ',''));

InsertCom := StrToInt(InputBox('Data Entry','Eneter new commission',''));

tblTeam.Insert; //5

tblTeam['sName'] := insertName;

tblTeam['Gender'] := insertGender;

tblTeam['Agent'] := insertAgent; //6,7 for any 3 correct

tblTeam['TotSales'] := insertTotSales;

tblTeam['Com%'] := InsertCom;

tblTeam.Post; //8

end;

procedure TForm1.btnViewStatsClick(Sender: TObject);

Var size, mid : integer;

min, max,first , second ,median, less : real;

begin

tblTeam.Open;

tblTeam.Last;

size := tblTeam.RecNo;

tblTeam.FindFirst;

tblTeam.Sort := 'TotSales DESC'; //Sort

tblTeam.RecNo := size;

max := tblTeam['TotSales']; // max

tblTeam.First;

min := tblTeam['TotSales']; // min

if odd(size) //

then begin

mid := size div 2 +1;

tblTeam.RecNo := mid; //2 for med

median := tblTeam['TotSales'];

end

else begin

mid := size div 2;

tblTeam.RecNo := mid;

first := tblTeam['TotSales'];

tblTeam.RecNo := mid+1; //2 for med

second := tblTeam['TotSales'];

median := (first + second)/2;

end;

redOutput.Lines.Add('The Maximum Sales recorded: '+FloatToStrF(min,ffFixed,6,2));

redOutput.Lines.Add('The Minimum Sales recorded: '+FloatToStrF(max,ffFixed,6,2)); //2 Output

redOutput.Lines.Add('The Median Sales recorded: '+FloatToStrF(median,ffFixed,6,2));

redOutput.Lines.Add(#13+'The Sales below the median is :');

tblTeam.First; //10

less := median \*80/100; //11

while not tblTeam.Eof do //12

begin

if tblTeam['TotSales'] < less then //13

redOutput.Lines.Add(#13+tblTeam['sName']+#9+#9+FloatToStr(tblTeam['TotSales'])); //14

tblTeam.Next; //15

end;

end;

Procedure TForm1.btnBrandPriceClick(Sender: TObject);

Var brand ,agnt : String;

cost : real;

begin

cost := 0; //1

brand := InputBox('Acer,Mercer,Dell,MAC,HP,Lenovo,Sahara','Select a brand!','');//2

tblTeam.Open;//3

tblTeam.First; //4

while not tblTeam.EOF do //5

begin

agnt := tblTeam['Agent'];

if UpperCase(agnt) = UpperCase(brand) //6,7

then cost := cost + tblTeam['TotSales']; //8

tblTeam.Next; //9

end;

if cost = 0 //10

then ShowMessage(brand + 'Cannot be found!') //11

else

ShowMessage(brand + ' has a total sale of: '+FloatToStrf(cost,ffFixed,8,2));//12

end;

end.

**Marking Guide**

**Grade 11 – Information Technology P1 – November 2016**

|  |  |
| --- | --- |
| 1.1. Extraction of values from EditText (Any two correct) C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].pngC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  If statements(3) for each of the ranges and correct deposit calculated. C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].pngC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].pngC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png ElseC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  *Case with ranges is accepted*  Create label C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Position Label C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].pngC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Assign parent C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Output name C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png with correct Interest paid with formatC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png      1.2.1. Assign per to correct combobox extraction. C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].pngC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  1.2.2. New Balance C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].pngsubtraction + displayC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png + formatC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  1.2.3. Calculating interest correctly C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].pngC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  1.2.4. Display C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].pngC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png with correct formats  1.3.1. Inst = bal + intC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png dividedC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].pngper\*12C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  1.3.2. total = Price + interestC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].pngC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png or total = Instalment\*per\*12  1.3.3. display format/currency C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png + all detailsC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png + Correct detailsC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png | 2  4  1  2  1  2  (12)  2  3  2  2  (9)  3  2  3  (8)  [29] |

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| --- | --- |
| Question Two  2.1. Declaration of arrFil size C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png and type C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png and counterC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  2.2. Function Definition – Parameter C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png + Type Boolean C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Check first 3 - if capital. Loop C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png + checkC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png + correct result C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png    Check first 3 - if capital. Loop C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png + checkC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png + correct result C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Check last 3 - if capital. Loop C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png + checkC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png    Check if length = 8 C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  2.3. Correct file var declarationC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Assigning and resetting C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  If file exist C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png   * Set file counter to 0 C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png * Loop while not end of file C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png * Readln string from the fileC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png * Store line in arrFilC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png * Extract substring ID C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png id = copy... * Call function and send ID C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png * If ID is valid C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].pngthen count validsC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png * Display if valid or invalid C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png * Display total valids C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png * Display total invalids(Subtract) C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png   2.4. Declare arrays for names and sales amounts. C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  set counter to store salesman only once. C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Loop to end of file using file counter created C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Read contents of arrFil into a var eg line C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Delete all fields (first 3 data items in line) C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].pngC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Remove the name from the stringC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Check if the position of name =0 in empty string C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  then write the name into empty string and inc C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  and Increment the counter C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Place names into array i.e. diff namesC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Place sales amount into array C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Display the name and the sales amountC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Display Number of salesmen for the month C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  2.5. Loop from 1 to the salesman array. C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Set price to 0C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Loop from 1 to file counter(textfile elements) C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Check if name from array is in the texfile C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Then accumulate price for the nameC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  End inner loop C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Store sales for salesmanC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png and print their name and total salesC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  2.6. Temp var declaration - bothC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Outer loop C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Inner Loop C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Decision < C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Swap names C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].pngC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Swap Amounts C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Display with correct formats C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  2.7. Declaration of flag e.g. found and counter C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Set flag to false and counter to 1 C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].pngC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Input searchNameC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  While loop not foundC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png and counter <= array sizeC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  If searchName name = name in array C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png then set found to trueC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Increment counter C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  If found display searchName in list C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Else display searchName not in list C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  **QUESTION THREE**  3.1. Assign tblTeam.Filter to GenderC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png = ‘F’ C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  tblTeam.Filtered := true C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Showmessage convert intToStrC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].pngtblTeam.RecordCountC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  tblTeam.Filtered assigned to false C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  3.2. Open the table C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png**C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png**  tblTeam.Sort C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png := ‘Names ASCC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png, Sales amounts DESCC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  3.3. Var declarions One Variable for cost C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png and one for brand entryC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Set cost of brand to zero C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Input the search brand C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Open the database table C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Set the pointer to first record C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Loop while not EOF C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  If brand entry = brand in tableC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Then cost := cost + tblTeam[‘Brand’] C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Move pointer to next record C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  If brand not found display message C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  If found display brand name and total sales with currency formatsC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  3.4. Variable declaration for all fields that need to be entered C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Input of data correctly. 1 mark each for Real, Integer and string inputC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].pngC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Set table in insert modeC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Inserting by assignment tblName[‘Field’] to input field. 2 marks for 3 diff fields C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].pngC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Post to table. C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  3.5. Declaration of local variables 1 for integers, C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png 1 for reals C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Open the table for processing C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Sort the tableC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png in descending order of Total SalesC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Move to the last record and get the size using RecNoC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Store last record in MinC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Move to first recordC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png and store in MaxC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  If is size is oddC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png if it is  Then find median : Middle elementC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png assigning value from tableC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Else add two middle two elementsC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png divide by 2C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png to get median  1 mark each for displaying max, min and medianC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].pngC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].pngC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Work out 80% of medianC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  While loop to traverse file C:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Check if total Sales less that 80% of medianC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Then display all details of recordC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png  Next recordC:\Users\EXAM\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\XO5A59OI\Tick-red[1].png | (3)  2  3  3  2  1  (11)  1  1  1  1  1  1  1  1  1  1  1  1  1  1  (14)  1  1  1  1  2  1  1  1  1  1  1  1  1  (14)  1  1  1  1  1  1  2  (8)  1  1  1  1  2  1  1  (8)  1  2  1  2  2  1  1  1  (11)  [69]  2  1  2  1  (6)  2  3  (5)  2  1  1  1  1  1  1  1  1  1  1  (12)  1  2  1  2  1  (7)  2  1  3  1  1  2  1  2  2  3  1  1  1  1  1  (22)  [52] |