

Name:

WAQAS ASHIQ

Roll No:

BCS-F11-201

Section:

C

Submitted To:

Madam. DR.Tabbasum Naz

**/\*Grade Calculator\*/**

**Code:**

import javax.swing.JOptionPane;

class ResultSheet{

**//Variables (Fields) Deceleration**

String Name;

int Sec\_1,T\_Sec1;

int Sec\_2,T\_Sec2;

int Fin,T\_Fin;

int Quiz,T\_Quiz;

int Assi,T\_Assi;

int Sum;

int Fina;

int Sec2\_p;

int Quiz1;

int Asinmemt;

int Sec1\_p;

**//Methods Receiving Arguments From Main Class**

void Sec1(int Sec\_1,int T\_Sec1){

Sec1\_p=(Sec\_1/T\_Sec1)\*10;

}

void Sec2(int Sec\_2,int T\_Sec2){

Sec2\_p=(Sec\_2/T\_Sec2)\*15;

}

void Qui(int Quiz,int T\_Quiz){

Quiz1=(Quiz/T\_Quiz)\*15;

}

void Assign(int Assi,int T\_Assi){

Asinmemt=(Assi/T\_Assi)\*10;

}

void Finl(int Fin,int T\_Fin){

Fina=(Fin/T\_Fin)\*50;

}

void Name\_F(String Name){

Sum = Fina+Asinmemt+Quiz1+Sec2\_p+Sec1\_p; **//Sum All The Percentages To Calculate Grade**

**//Printing Calculate Grade of Student In Massage Dialog Box**

if(Sum>=90){

JOptionPane.showMessageDialog(null,"The Name Of Student Is "+Name+" And The Grade Of Stundent Is \"A\" ","Grade Calculator",JOptionPane.CLOSED\_OPTION);

}

else if(Sum>=80||Sum<90){

JOptionPane.showMessageDialog(null,"The Name Of Student Is "+Name+" And The Grade Of Stundent Is \"B\" ","Grade Calculator",JOptionPane.CLOSED\_OPTION);

}

else if(Sum>=70||Sum<80){

JOptionPane.showMessageDialog(null,"The Name Of Student Is "+Name+" And The Grade Of Stundent Is \"C\" ","Grade Calculator",JOptionPane.CLOSED\_OPTION);

}

else if(Sum>=60||Sum<70){

JOptionPane.showMessageDialog(null,"The Name Of Student Is "+Name+" And The Grade Of Stundent Is \"D\" ","Grade Calculator",JOptionPane.CLOSED\_OPTION);

}

else if(Sum<60){

JOptionPane.showMessageDialog(null,"The Name Of Student Is "+Name+" And The Grade Of Stundent Is \"F\" ","Grade Calculator",JOptionPane.WARNING\_MESSAGE);

}

System.exit(0);

}

}

class ResultSheetTest{

**//Main Class**

public static void main(String[]args){

ResultSheet A1=new ResultSheet(); **//Creating object**

//Inputing Name And Marks obtained

A1.Name=JOptionPane.showInputDialog("Enter The Name Of Student:");

String a=JOptionPane.showInputDialog("Enter The Marks Obtained Sectional 1:");

A1.Sec\_1=Integer.parseInt(a); **//Converting String To Integer**

String b=JOptionPane.showInputDialog("Enter The Total Marks Of Sectional 1:");

A1.T\_Sec1=Integer.parseInt(b);

String c=JOptionPane.showInputDialog("Enter The Marks Obtained In sectional 2:");

A1.Sec\_2=Integer.parseInt(c);

String d=JOptionPane.showInputDialog("Enter The Total Marks Of Sectional 2:");

A1.T\_Sec2=Integer.parseInt(d);

String e=JOptionPane.showInputDialog("Enter The Marks Obtained Assignment:");

A1.Assi=Integer.parseInt(e);

String f=JOptionPane.showInputDialog("Enter The Total Marks Of Assignment:");

A1.T\_Assi=Integer.parseInt(f);

String g=JOptionPane.showInputDialog("Enter The Marks Obtained In Quiz:");

A1.Quiz=Integer.parseInt(g);

String h=JOptionPane.showInputDialog("Enter The Total Marks Of Quiz:");

A1.T\_Quiz=Integer.parseInt(h);

String i=JOptionPane.showInputDialog("Enter The Marks Obtained Final:");

A1.Fin=Integer.parseInt(i);

String j=JOptionPane.showInputDialog("Enter The Total Marks Of Final:");

A1.T\_Fin=Integer.parseInt(j);

A1.Sec1(A1.Sec\_1,A1.T\_Sec1);

A1.Sec2(A1.Sec\_2,A1.T\_Sec2);

A1.Qui(A1.Quiz,A1.T\_Quiz);

A1.Assign(A1.Assi,A1.T\_Assi);

A1.Finl(A1.Fin,A1.T\_Fin);

A1.Name\_F(A1.Name);

**//Methods Called To Calculate Grade From Class RESULTSHEET**

}

}

**OutPut:**

