EXPERIMENT NO. 3

CODE:

```
package com.mycompany.exp3;


import java.awt.*;
import java.awt.event.*;


public class Student extends Frame implements ActionListener
{
        Label lsname, lsrollno, lsclass, lgender, lsbg, lsmob, lsadrs,
lenglish,lphysics,lchemistry,lmaths,lit,lmarks,lmarks2,lmarks3,lmarks4,lmarks5;
      CheckboxGroup gender;
        Checkbox male, female;
        Choice csclass;
        TextField tfsname, tfsrollno,
tfsmob,tfenglish,tfphysics,tfchemistry,tfmaths,tfit;
        TextArea tasadrs;
        Button submit;



        TextArea display_details;


        Student()
        {
                lsname   = new Label("Name : ");
                lsrollno = new Label("Roll No : ");
                lsclass  = new Label("Class : ");
                lgender  = new Label("Gender : ");
                lsbg     = new Label("Blood Group : ");
                lsmob    = new Label("Seat No. : ");
```

```
            lsadrs   = new Label("Address : ");
        lenglish = new Label("ENGLISH");
        lphysics = new Label("PHYSICS");
        lchemistry = new Label("CHEMISTRY");
        lmaths = new Label("MATHS");
        lit = new Label("IT");
        lmarks = new Label("/100");
        lmarks2 = new Label("/100");
        lmarks3 = new Label("/100");
        lmarks4 = new Label("/100");
        lmarks5 = new Label("/100");
            gender = new CheckboxGroup();
male   = new Checkbox("Male", gender, false);
female = new Checkbox("Female", gender, false);

csclass = new Choice();
csclass.add("11th(SCIENCE)");
csclass.add("12th(SCIENCE)");

            tfsname   = new TextField();
            tfsrollno = new TextField();
            tfsmob    = new TextField();
        tfenglish = new TextField();
        tfphysics = new TextField();
        tfchemistry = new TextField();
        tfmaths = new TextField();
        tfit = new TextField();

            tasadrs = new TextArea("", 2 , 100 , TextArea.SCROLLBARS_NONE);

            submit  = new Button("Submit");
```

```
display_details = new TextArea("", 2 , 100 ,
TextArea.SCROLLBARS_NONE);
display_details.setEditable(false);

lsname.setBounds(10, 50, 50, 20);
tfsname.setBounds(70, 50, 150, 20);

lsrollno.setBounds(240, 50, 50, 20);
tfsrollno.setBounds(300, 50, 150, 20);

lsclass.setBounds(10, 90, 50, 20);
csclass.setBounds(70, 90, 150, 20);

lgender.setBounds(240, 90, 50, 20);
male.setBounds(300, 90, 50, 20);
female.setBounds(360, 90, 60, 20);

lsmob.setBounds(10, 130, 50, 20);
tfsmob.setBounds(70, 130, 150, 20);

lsadrs.setBounds(10, 180, 50, 20);
tasadrs.setBounds(70, 180, 380, 70);

submit.setBounds(10, 600, 440, 30);

display_details.setBounds(660, 50, 670, 700);

lenglish.setBounds(10,300,60,20);
tfenglish.setBounds(90,300,40,20);
lmarks.setBounds(135,300,40,20);
```

```
lphysics.setBounds(10,350,60,20);
tfphysics.setBounds(90,350,40,20);
        lmarks2.setBounds(135,350,40,20);

lchemistry.setBounds(10,400,75,20);
tfchemistry.setBounds(90,400,40,20);
        lmarks3.setBounds(135,400,40,20);

lmaths.setBounds(10,450,50,20);
tfmaths.setBounds(90,450,40,20);
        lmarks4.setBounds(135,450,40,20);

lit.setBounds(10,500,50,20);
tfit.setBounds(90,500,40,20);
        lmarks5.setBounds(135,500,40,20);

        add(lmarks);
        add(lmarks2);
        add(lmarks3);
        add(lmarks4);
        add(lmarks5);
            add(lsname);
            add(lsrollno);
            add(lsclass);
            add(lgender);
            add(lsbg);
            add(lsadrs);
            add(lsmob);

            add(male);
```

```
                add(female);

                add(csclass);

                add(tfsname);
                add(tfsrollno);
                add(tasadrs);
                add(tfsmob);

//              add(trainpass);

                add(submit);

                add(display_details);

        add(lenglish);
        add(tfenglish);

        add(lphysics);
        add(tfphysics);

        add(lchemistry);
        add(tfchemistry);

        add(lmaths);
        add(tfmaths);

        add(lit);
        add(tfit);

                submit.addActionListener(this);
```

```
                setTitle("Students Details");
                setSize(460,390);
                setLayout(null);
                setVisible(true);

                addWindowListener(new WindowAdapter()
                {
        public void windowClosing(WindowEvent e)
        {
dispose();
        }
      });
        }

        public void actionPerformed(ActionEvent e)
        {
                if(e.getSource()==submit)
                {
                        double eng = Double.parseDouble(tfenglish.getText());
                double phy = Double.parseDouble(tfphysics.getText());
                double chem = Double.parseDouble(tfchemistry.getText());
                double maths = Double.parseDouble(tfmaths.getText());
                double it = Double.parseDouble(tfit.getText());
                double perc = ((eng+phy+chem+maths+it)/500)*100;
                double total = (eng + phy + chem + maths + it);

                        String sdetails = " ********************** K. K. Wagh College of
Engineering Education ********************** \n   \t\t\tPancahavati,Nashik-422004
\n\nName : "
                        + tfsname.getText() + "\nRoll No. :" + tfsrollno.getText() + "\nClass :
" + csclass.getSelectedItem()
```

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                    + "\nGender : " + gender.getSelectedCheckbox().getLabel() +
"\nSeat No. : " + tfsmob.getText() + "\nAddress : "

                    + tasadrs.getText() + "\n\n\n ********************** RESULT
********************** \n\nSUBJECT \t\t\t MARKS OBTAINED \t\t TOTAL MARKS
\nENGLISH \t\t\t\t "

                    + tfenglish.getText() + " \t\t\t\t 100 \n\nPHYSICS \t\t\t\t " +
tfphysics.getText()

                    + " \t\t\t\t 100 \n\nCHEMISTRY \t\t\t\t " + tfchemistry.getText() + "
\t\t\t\t 100 \n\nMATHS \t\t\t\t\t "

                    + tfmaths.getText() + " \t\t\t\t 100 \n\nINFORMATION
TECHNOLOGY \t\t " + tfit.getText()

                    +" \t\t\t\t 100 \n\n ********************** TOTAL MARKS
********************** \n\n TOTAL =  "

                    + total  + " /500\n\n\n ********************** PERCENTAGE
********************** \n\n    PERCENTAGE = " + perc + " %";


                        display_details.setText(sdetails);

                }

        }


        public static void main(String[] args)

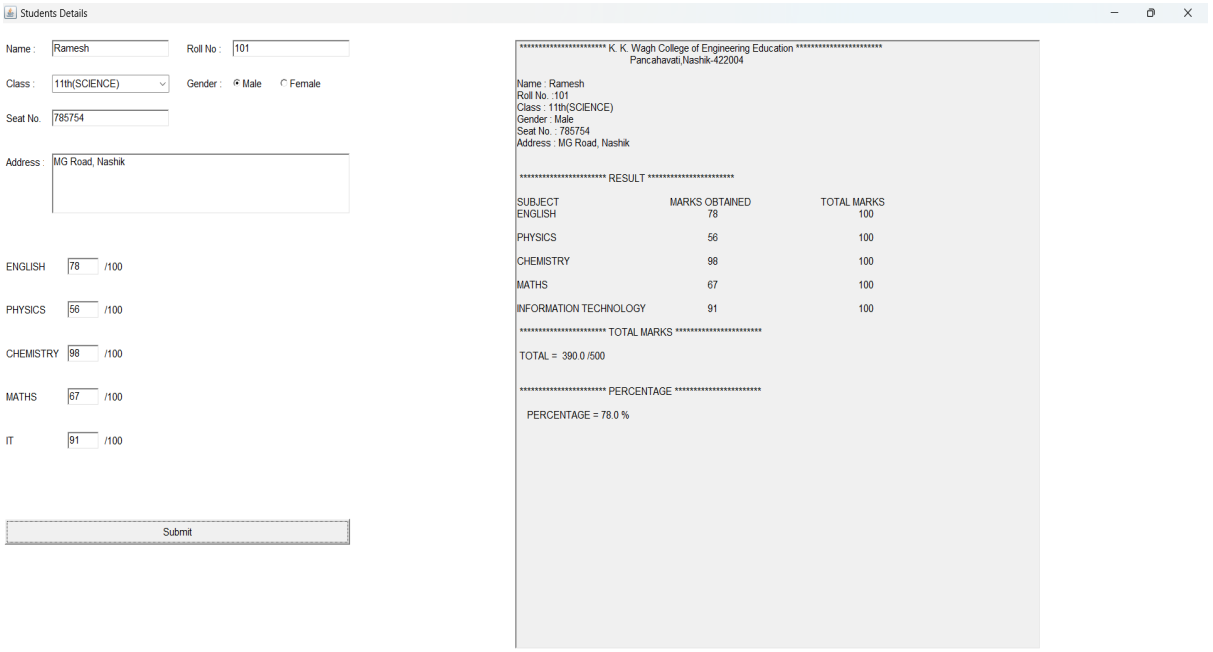
        {

                new Student();

        }

}
```

OUTPUT:


Students Details
Name : Ramesh
Roll No : 101
Class : 11th(SCIENCE)
Gender : Male Female
Seat No. 785754
Address : MG Road, Nashik
ENGLISH 78 /100
PHYSICS 56 /100
CHEMISTRY 98 /100
MATHS 67 /100
IT 91 /100
Submit
********** K. K. Wagh College of Engineering Education **********
Pancahavati,Nashik-422004
Name : Ramesh
Roll No. :101
Class : 11th(SCIENCE)
Gender : Male
Seat No. : 785754
Address : MG Road, Nashik
********** RESULT **********
SUBJECT MARKS OBTAINED TOTAL MARKS
ENGLISH 78 100
PHYSICS 56 100
CHEMISTRY 98 100
MATHS 67 100
INFORMATION TECHNOLOGY 91 100
********** TOTAL MARKS **********
TOTAL = 390.0 /500
********** PERCENTAGE **********
PERCENTAGE = 78.0 %