Experiment No: 3

Program:

import javax.swing.\*;

import java.awt.\*;

import java.awt.event.\*;

import java.io.\*;

class StudentForm implements ActionListener{

// Creating the labels

JLabel l1, l2, l3, l4, l5;

// Creating three text fields for student name, college mail ID and for Mobile No

JTextField t1, t2, t3;

// Creating two JComboboxes for Branch and for Section

JComboBox j1, j2;

// Creating two buttons

JButton b1, b2;

// Creating Frame

JFrame f;

StudentForm(){

// Creating a new frame using JFrame

f = new JFrame("Student Registration Form");

// Naming the labels and setting

// the bounds for the labels

l1 = new JLabel("Student Name:");

l1.setBounds(50, 50, 100, 30);

l2 = new JLabel("College Email ID:");

l2.setBounds(50, 120, 120, 30);

l3 = new JLabel("Branch:");

l3.setBounds(50, 190, 50, 30);

l4 = new JLabel("Section:");

l4.setBounds(420, 50, 70, 30);

l5 = new JLabel("Mobile No:");

l5.setBounds(420, 120, 70, 30);

// Creating the textfields and

// setting the bounds for textfields

t1 = new JTextField();

t1.setBounds(150, 50, 130, 30);

t2 = new JTextField();

t2.setBounds(160, 120, 130, 30);

t3 = new JTextField();

t3.setBounds(490, 120, 130, 30);

// Creating two string arrays one for

// braches and other for sections

String s1[]

= { " ", "CSE", "ECE", "EEE",

"CIVIL", "MEC", "Others" };

String s2[]

= { " ", "Section-A", "Section-B",

"Section-C", "Section-D",

"Section-E" };

// Creating two JComboBoxes for selecting branch and other for selecting the section

// and setting the bounds

j1 = new JComboBox(s1);

j1.setBounds(120, 190, 100, 30);

j2 = new JComboBox(s2);

j2.setBounds(470, 50, 140, 30);

// Creating one button for Saving and other button to close

// and setting the bounds

b1 = new JButton("Save");

b1.setBounds(150, 300, 70, 30);

b2 = new JButton("close");

b2.setBounds(420, 300, 70, 30);

//register listener

b1.addActionListener(this);//passing current instance

b2.addActionListener(this);//passing current instance

//add components and set size, layout and visibility

f.add(l1);

f.add(t1);

f.add(l2);

f.add(t2);

f.add(l3);

f.add(j1);

f.add(l4);

f.add(j2);

f.add(l5);

f.add(t3);

f.add(b1);

f.add(b2);

f.setLayout(null);

f.setSize(700, 600);

f.setVisible(true);

}

public void actionPerformed(ActionEvent ae){

if(ae.getSource()==b1){

// Getting the text from text fields

// and JComboboxes

// and copying it to a strings

String s1 = t1.getText();

String s2 = t2.getText();

String s3 = j1.getSelectedItem() + "";

String s4 = j2.getSelectedItem() + "";

String s5 = t3.getText();

try {

// Creating a file and writing the data into a Textfile.

FileWriter w = new FileWriter("data.txt", true);

w.write(s1 + "\n");

w.write(s2 + "\n");

w.write(s3 + "\n");

w.write(s4 + "\n");

w.write(s5 + "\n");

w.close();

}

catch (Exception e) {

System.out.println(e);

}

// Shows a Pop up Message when

// save button is clicked

JOptionPane.showMessageDialog(f,"Successfully Saved"+ " The Details");

}

if(ae.getSource()==b2){

f.dispose();

}

}

public static void main(String args[]){

new StudentForm();

}

}

Output:



