K .J.Somaiya Polytechnic, Mumbai-77

Batch No: C2

Enrollment No.: FCOG19126

Experiment No: 12

Experiment Name: Write a program to design a form using all Swing components.

Experiment No.12

Experiment Name : Write a program to design a form using all Swing components.

Objective
O18RA63.1. Create GUI using different swing & AWT components.

Implementation :

```
import javax.swing.*;
public class AllSwing
{
public static void main(String args[]){
JRadioButton jrb1;
JRadioButton jrb2;
JComboBox jcb;
JProgressBar jpb;

JFrame jf = new JFrame("All Swing Components");
JLabel jl1 = new JLabel("Name",JLabel.CENTER);
jl1.setBounds(50,50,100,30);
JTextField jtf = new JTextField();
jtf.setBounds(180,50,300,30);

JLabel jl2=new JLabel("About you",JLabel.CENTER);
jl2.setBounds(50,100,100,30);
JTextArea jta=new JTextArea(20,3);
int v = ScrollPaneConstants.VERTICAL_SCROLLBAR_ALWAYS;
int h = ScrollPaneConstants.HORIZONTAL_SCROLLBAR_ALWAYS;
JScrollPane jsp=new JScrollPane(jta,v,h);
jsp.setBounds(180,100,300,80);

JLabel jl3=new JLabel("Spoken Languages",JLabel.CENTER);
jl3.setBounds(20,200,150,30);
JCheckBox jcb1=new JCheckBox("English");
jcb1.setBounds(180,200,80,30);
JCheckBox jcb2=new JCheckBox("Spanish");
jcb2.setBounds(260,200,80,30);
JCheckBox jcb3=new JCheckBox("French");
```

```java
jcb3.setBounds(360,200,80,30);
JCheckBox jcb4=new JCheckBox("German");
jcb4.setBounds(460,200,80,30);

JLabel jl4=new JLabel("Candidate",JLabel.CENTER);
jl4.setBounds(50,250,100,30);
jrb1=new JRadioButton("Student");
jrb1.setBounds(180,250,80,30);
jrb2=new JRadioButton("Teacher");
jrb2.setBounds(280,250,80,30);
ButtonGroup btngrp=new ButtonGroup();
btngrp.add(jrb1);
btngrp.add(jrb2);

JLabel jl5=new JLabel("Qualification",JLabel.CENTER);
jl5.setBounds(50,300,100,30);
String qualification[ ]={"SSC","HSC","Diploma","B.Tech","M.Tech"};
jcb=new JComboBox(qualification);
jcb.setBounds(180,300,300,30);
jcb.setEditable(true);

JButton btn=new JButton("Submit");
btn.setBounds(250,400,100,30);

jpb=new JProgressBar();
jpb.setBounds(200,450,200,40);
jpb.setMaximum(100);
jpb.setValue(90);
jpb.setString("Registering");
jpb.setStringPainted(true);
jpb.setOrientation(SwingConstants.HORIZONTAL);
jf.add(jl1);
jf.add(jtf);
jf.add(jl2);
jf.add(jsp);
jf.add(jl3);
jf.add(jcb1);
jf.add(jcb2);
jf.add(jcb3);
jf.add(jcb4);
jf.add(jl4);
jf.add(jrb1);
jf.add(jrb2);
jf.add(jl5);
```

```
jf.add(jcb);
jf.add(btn);
jf.add(jpb);
jf.setSize(600,600);
jf.setLayout(null);
jf.setVisible(true);
jf.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
}
}
```

Output:

Command Prompt

```
F:\Java>javac AllSwing.java
Note: AllSwing.java uses unchecked or unsafe operations.
Note: Recompile with -Xlint:unchecked for details.

F:\Java>java AllSwing
```

Conclusion- Thus, we have implemented a program to display all Swing components.