Lab-11 Assignments

Swings

Demo 1: ImageButton
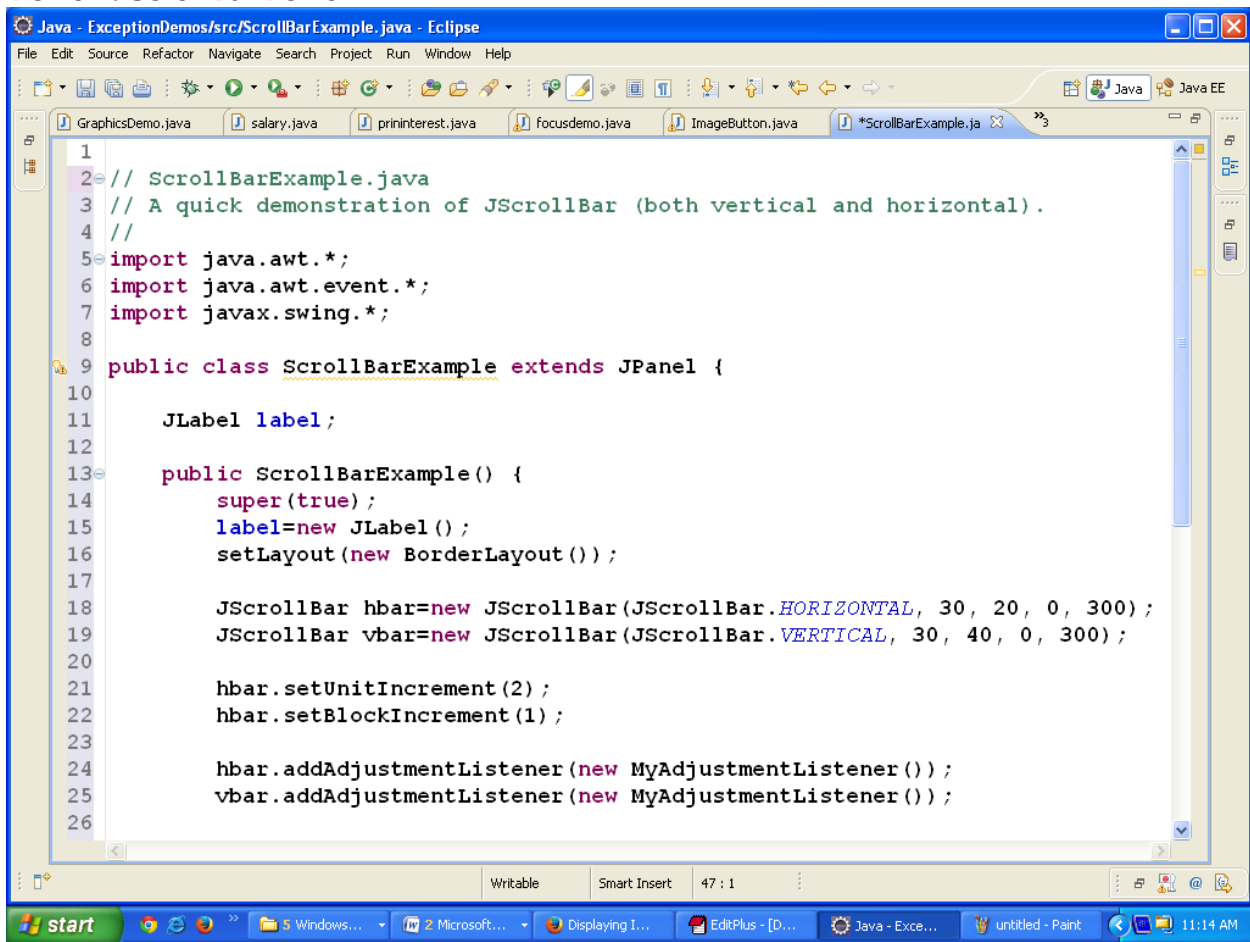


```java
import java.awt.event.*;
import javax.swing.*;

public class ImageButton{
ImageButton(){
JFrame f=new JFrame();


JButton b=new JButton(new ImageIcon("tulip1.jpg"));
b.setBounds(130,100,100, 120);

f.add(b);

f.setSize(300,400);
f.setLayout(null);
f.setVisible(true);

f.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

    }

public static void main(String[] args) {
    new ImageButton();
}
}
```
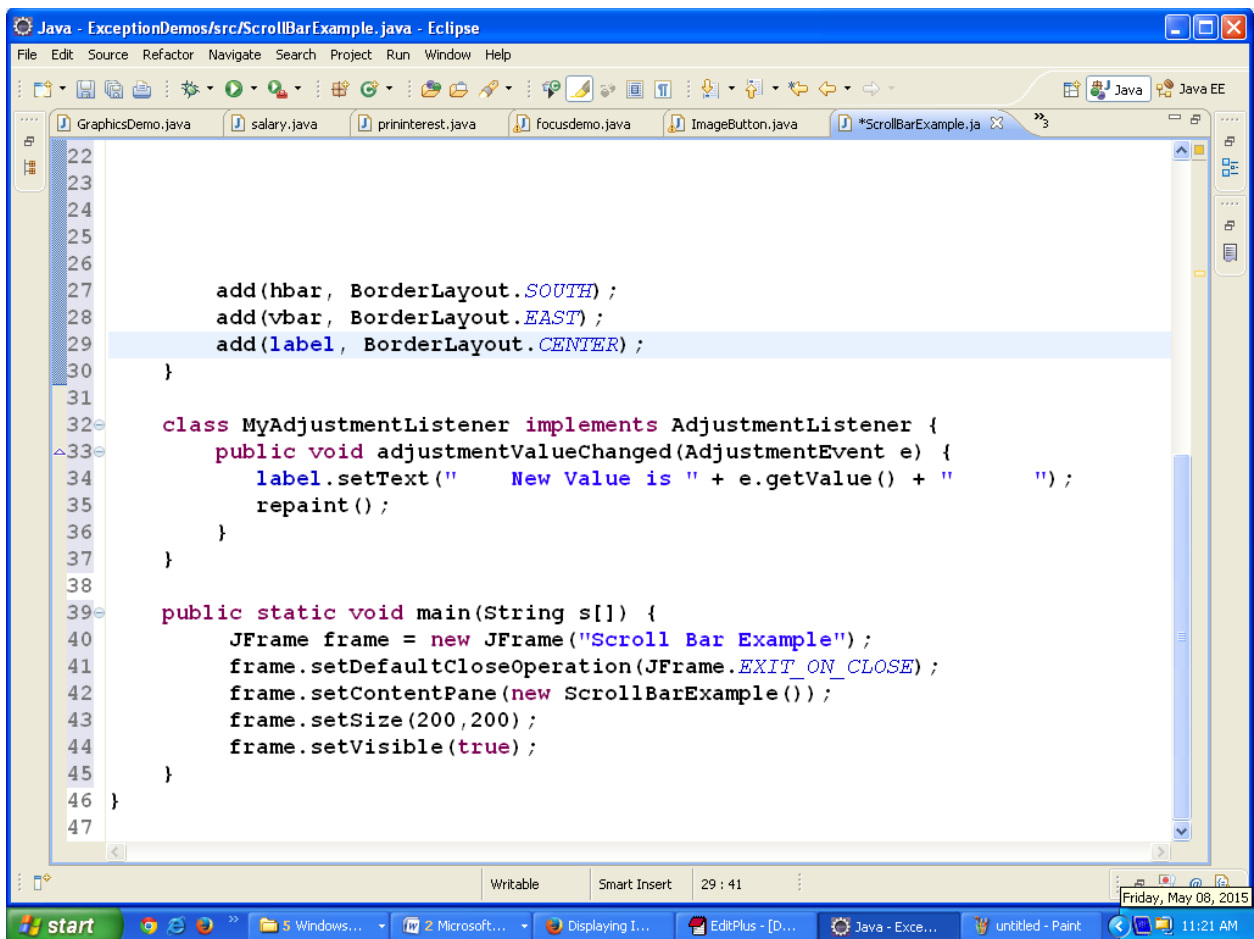
Run as -> Java Application
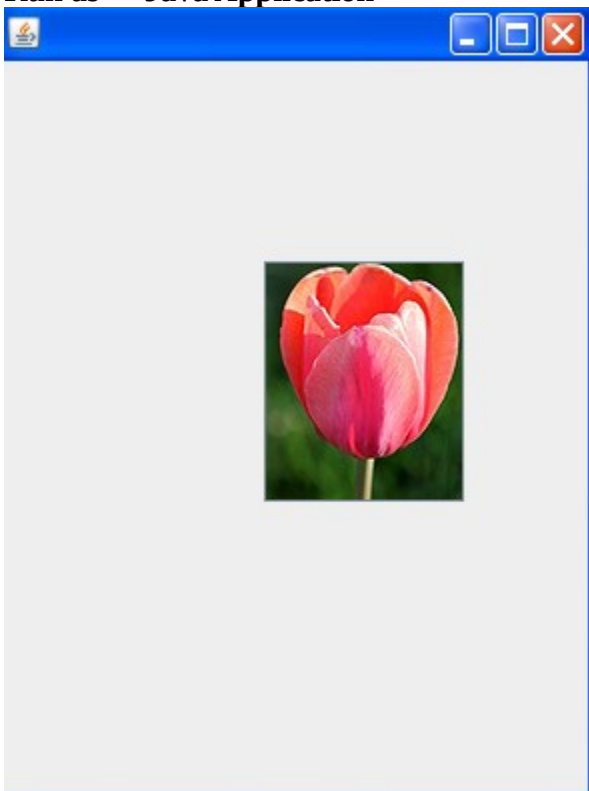
Demo 2: ScrollBarDemo


```java
// ScrollBarExample.java
// A quick demonstration of JScrollBar (both vertical and horizontal).
//
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;

public class ScrollBarExample extends JPanel {

    JLabel label;

    public ScrollBarExample() {
        super(true);
        label=new JLabel();
        setLayout(new BorderLayout());

        JScrollBar hbar=new JScrollBar(JScrollBar.HORIZONTAL, 30, 20, 0, 300);
        JScrollBar vbar=new JScrollBar(JScrollBar.VERTICAL, 30, 40, 0, 300);

        hbar.setUnitIncrement(2);
        hbar.setBlockIncrement(1);

        hbar.addAdjustmentListener(new MyAdjustmentListener());
        vbar.addAdjustmentListener(new MyAdjustmentListener());
```

Continued…

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GraphicsDemo.java | salary.java | prininterest.java | focusdemo.java | ImageButton.java | *ScrollBarExample.ja

```java
22
23
24
25
26
27          add(hbar, BorderLayout.SOUTH);
28          add(vbar, BorderLayout.EAST);
29          add(label, BorderLayout.CENTER);
30      }
31
32      class MyAdjustmentListener implements AdjustmentListener {
33          public void adjustmentValueChanged(AdjustmentEvent e) {
34              label.setText("     New Value is " + e.getValue() + "       ");
35              repaint();
36          }
37      }
38
39      public static void main(String s[]) {
40          JFrame frame = new JFrame("Scroll Bar Example");
41          frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
42          frame.setContentPane(new ScrollBarExample());
43          frame.setSize(200,200);
44          frame.setVisible(true);
45      }
46  }
47
```

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Friday, May 08, 2015

Run as -> Java Application
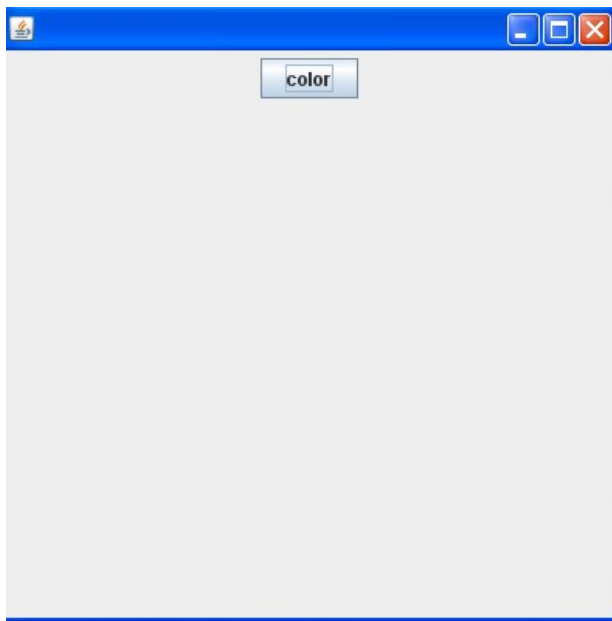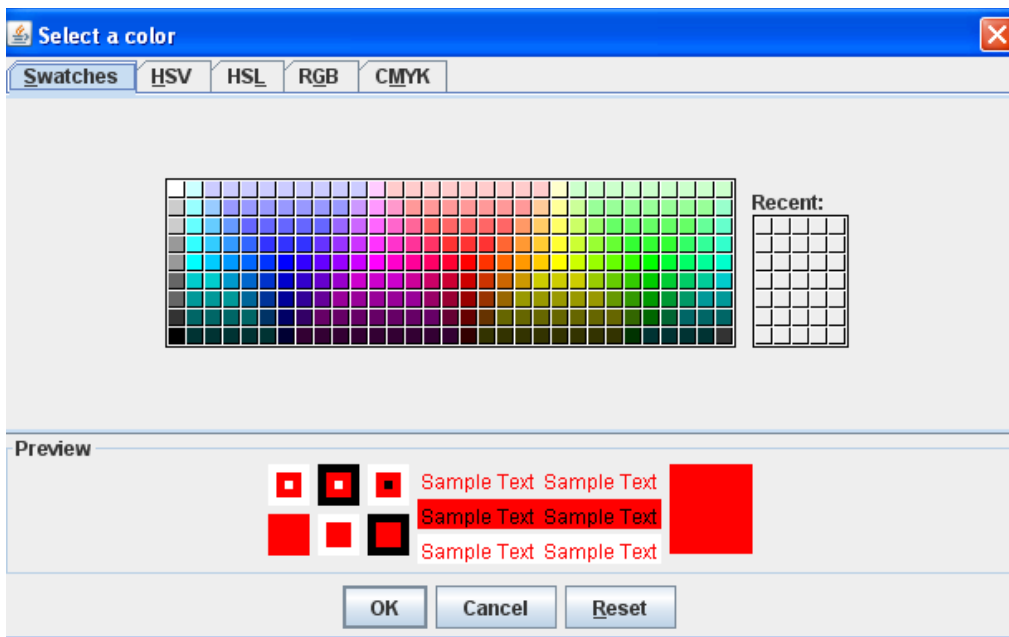
Scroll Bar Ex...

New Value is 80

Assignments To Solve

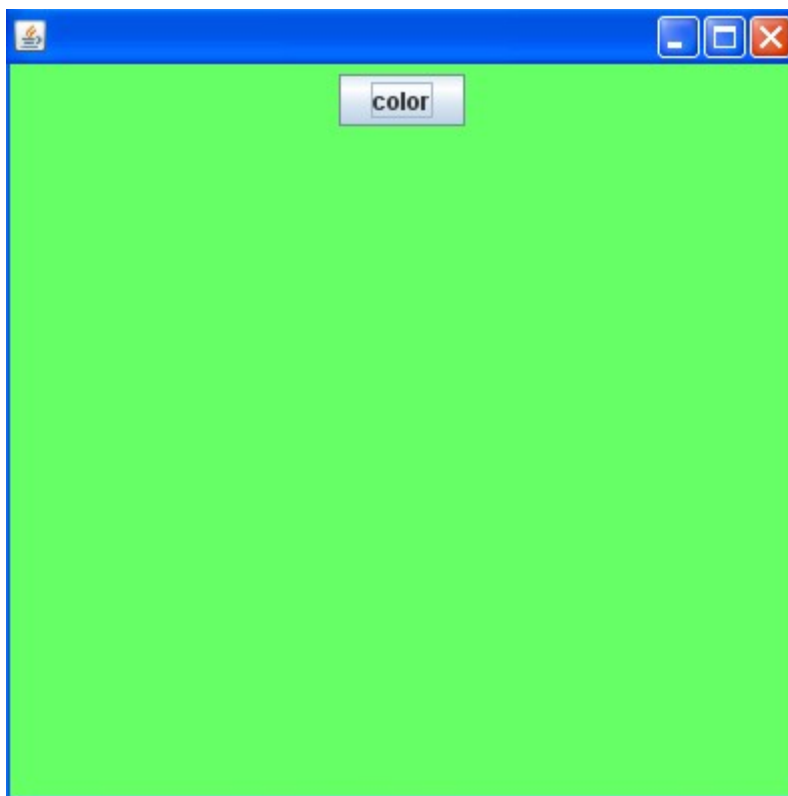1. Design below form displaying basic swing controls.
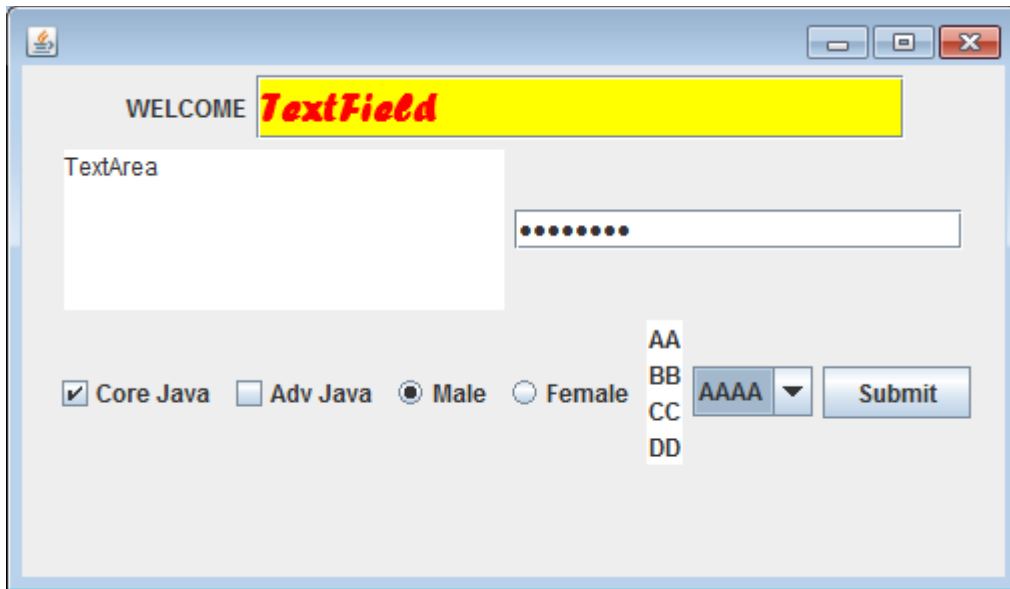
2. WAP to handle an event for a button to set the background color of the frame by selecting color from JColorChooser class.
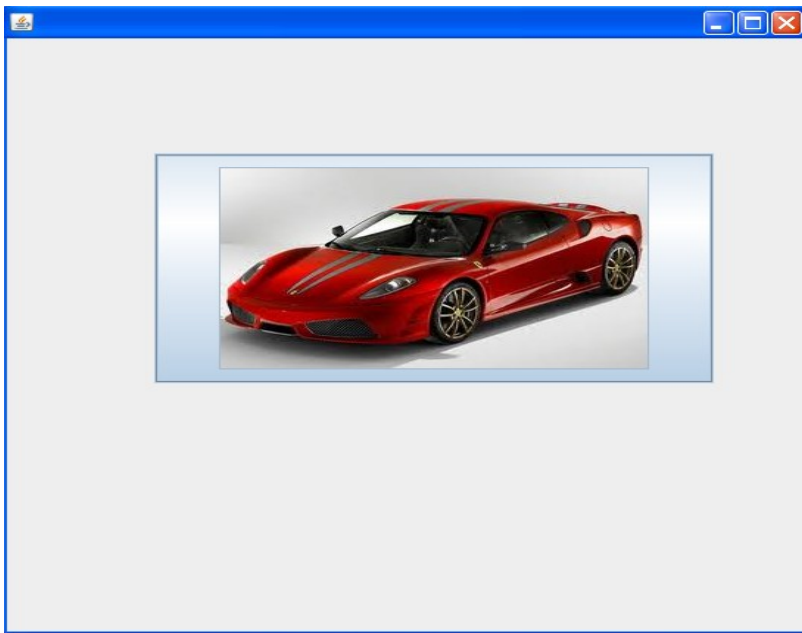
Select and press ok

3. Write an event driven program to move the car up, down,left and right (KeyEvent)

4 WAP to display on the frame advance controls of Swings like Tree, Toolbar, ToolTip,Spinner, Tab…etc..