K .J.Somaiya Polytechnic, Mumbai-77

Batch No: C2

Enrollment No.: FCOG19126

Experiment No: 4

Experiment Name: Write a program to delegate adjustment event to a scrollbar

Experiment No.04

Experiment Name: Write a program to delegate adjustment event to a scrollbar

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

Implementation :

```
import java.awt.event.*;
import java.awt.*;
class ScrollbarDemo implements AdjustmentListener{
   Frame f = new Frame("Scrollbar");
   Label l;
   Scrollbar s;
   ScrollbarDemo(){
   l = new Label();
   l.setBounds(15,15,85,85);
   s = new Scrollbar();
   s.setBounds(100,100,50,100);
   f.add(s); f.add(l);
   f.setSize(400,400);
   f.setLayout(null);
   f.setVisible(true);
   s.addAdjustmentListener(this);
   }

   public void adjustmentValueChanged(AdjustmentEvent ae){
      l.setText("value: "+ae.getValue());
   }

   public static void main(String[] args)throws InterruptedException{
      ScrollbarDemo se = new ScrollbarDemo();
      Thread.sleep(55000);
      System.exit(0);

   }

}
```
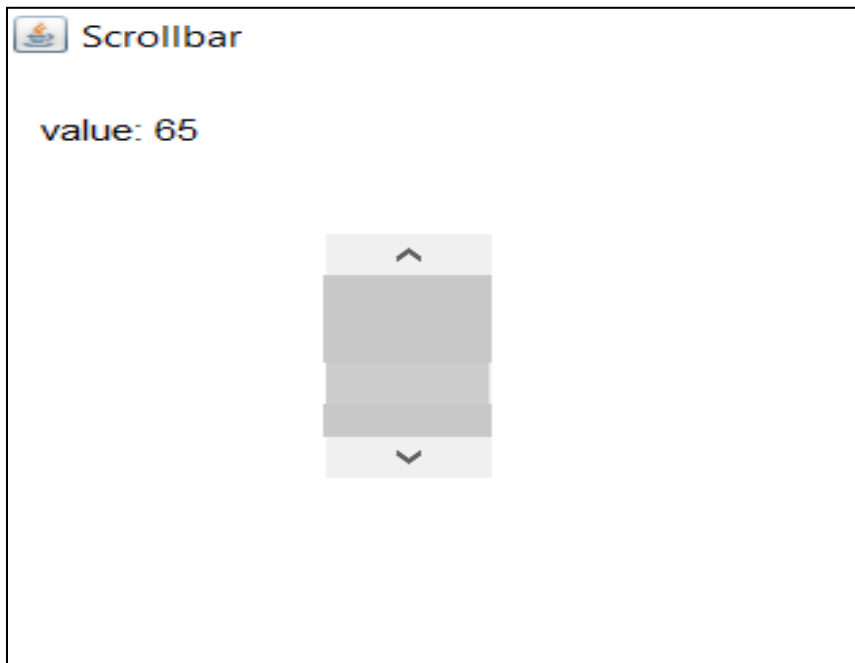
Output:

▣ Command Prompt

```
F:\Java>javac ScrollbarDemo.java

F:\Java>java ScrollbarDemo
```

▣ Scrollbar

value: 65

⌃

⌄

Conclusion- Thus, we have implemented a program to delegate adjustment event to scrollbar.