

```

1 package by.riit.gui_basic_component;
2
3 import java.awt.*;
4 import java.awt.event.*;
5 import javax.swing.*;
6
7 public class ScrollBarTest {
8
9     public static void main(String[] args) {
10         final JFrame frame = new JFrame("JScrollbar Demo");
11         final JLabel label = new JLabel( );
12
13         JScrollbar scrHbar=new JScrollbar(JScrollbar.HORIZONTAL, 30, 20, -40, 500)
14 ;
15         JScrollbar scrVbar=new JScrollbar(JScrollbar.VERTICAL, 30, 40, 0, 500);
16
17         class MyAdjustmentListener implements AdjustmentListener {
18             public void adjustmentValueChanged(AdjustmentEvent e) {
19                 label.setText("Положение ползунка = " + e.getValue());
20                 frame.repaint();
21             }
22         }
23
24         scrHbar.addAdjustmentListener(new MyAdjustmentListener( ));
25         scrVbar.addAdjustmentListener(new MyAdjustmentListener( ));
26
27         frame.setLayout(new BorderLayout( ));
28         frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
29         frame.setSize(300, 200);
30         frame.getContentPane().add(label);
31         frame.getContentPane().add(scrHbar, BorderLayout.SOUTH);
32         frame.getContentPane().add(scrVbar, BorderLayout.EAST);
33         frame.getContentPane().add(label, BorderLayout.CENTER);
34         frame.setLocationRelativeTo(null);
35         frame.setVisible(true);
36     }
37 }

```