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1 package by.riit.gui_basic_component;
2
3 import java.awt.BorderLayout;
4 import java.awt.Dimension;
5 import java.awt.event.ActionEvent;
6 import java.awt.event.ActionListener;
7 import javax.swing.*;
8
9 /**
10  * Java class to demonstrate the use of a TextArea with JScrollPane.
11  *
12  * @author V.V.Sidorik
13  */
14 public class JTextAreaTest extends JFrame {
15     public static void main(String[] args) {
16         new JTextAreaTest();
17     }
18
19     public JTextAreaTest() {
20         super("JTextArea & JScrollPane Test");
21
22         // create a JTextArea
23         final JTextArea txtArea = new JTextArea();
24
25         // create txtSource and btnAdd
26         JButton btnAdd = new JButton("Add Text");
27         final JTextField txtSource = new JTextField("Input your text here");
28         JPanel panel = new JPanel();
29         panel.add(txtSource);
30         panel.add(btnAdd);
31
32         // add text to the TextArea
33         txtArea.setText("1 line\n2 line\n3 line\n4 line\n");
34
35         // create a scrollpane,
36         // giving it the textarea as a constructor argument
37         JScrollPane scrollPane = new JScrollPane(txtArea);
38
39         // add the scrollpane to the jframe's content pane, specifically
40         // placing it in the center of the jframe's BorderLayout
41         //JFrame frame = new JFrame("JScrollPane Test");
42         add(scrollPane, BorderLayout.CENTER);
43
44         add(panel, BorderLayout.NORTH);
45
46         // make it easy to close the application
47         setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
48
49         // set the frame size (you'll usually want to call frame.pack())
50         setSize(new Dimension(300, 200));
51         //setSize(300, 200);
52
53         // center the frame
54         setLocationRelativeTo(null);

```

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55
56     // pack and make it visible to the user
57     pack();
58     setVisible(true);
59
60     // Listener for button
61     btnAdd.addActionListener(new ActionListener() {
62         @Override
63         public void actionPerformed(ActionEvent event) {
64             txtArea.append(txtSource.getText() + "\n");
65         }
66     });
67 }
68 }
```