

2. JScrollPane

ALGORITHM

Step-1: START

Step-2: Create a Panel and set panel Layout to the GridLayout.

Step-3: Create array of buttons and add them to the Panel.

Step-4: Create horizontal and vertical ScrollPaneConstants.

Step-5: Create a JScrollPane and set panel, horizontal and vertical ScrollPaneConstants.

Step-6: Get the contentPane object and add the JScrollPane object to it with required layout.

Step-7: END

SOURCE CODE

```

import javax.swing.*;
import java.awt.BorderLayout;

public class week13b1
{
    public static void main(String[] args) {
        JFrame frame = new JFrame("JScrollPane Example");
        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        frame.setSize(400, 300);
        JTextArea textArea = new JTextArea(20, 40);
        textArea.setText("This is a JTextArea inside a JScrollPane. In default.");
        JScrollPane scrollpane = new JScrollPane(textArea);
        frame.add(scrollpane);
        frame.setVisible(true);
    }
}

```




Correcting Java JScrollPane Code Errors



JFrame

5. **Undefined variable:** `Init.Pack(s)` - this doesn't exist
6. **Space in variable name:** `Scroll Pane` → `scrollPane`
7. **Missing imports** for `JTextArea` and `JScrollPane`

Corrected Code:

java

Copy

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

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Key Corrections:

- Changed `Frame` to `JFrame` (Swing component)
- Fixed class name convention
- Removed the invalid `Init.Pack(s)` line
- Fixed variable naming consistency



Message DeepSeek



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