

## 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 'repaint()' ");
        JScrollPane scrollPanel = new JScrollPane(textArea);
        frame.add(scrollPanel);
        frame.setVisible(true);
    }
}

```



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

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

public class Default {
    public static void main(String[] args) {
        JFrame frame = new JFrame("JScrollPane Exam
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        textArea.setText("This is a JTextArea insid

        JScrollPane scrollPane = new JScrollPane(te
frame.add(scrollPane);
frame.setVisible(true);
    }
}
```

### 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



## Correcting Java JScrollPane Code Errors



JFrame

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6. **Space in variable name:** Scroll Pane → scrollPane
7. **Missing imports** for JTextArea and JScrollPane

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**Key Corrections:**

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