

ScrollPaneLayout

 javatpoint.com/java-scrollpanelayout

The layout manager used by JScrollPane. JScrollPaneLayout is responsible for nine components: a viewport, two scrollbars, a row header, a column header, and four "corner" components.

Nested Class

Modifier and Type	Class	Description
static class	ScrollPaneLayout.UIResource	It is UI resource version of JScrollPaneLayout.

Field

Modifier and Type	Field	Description
protected JViewport	colHead	It is column header child.
protected JScrollBar	hsb	It is scrollpane's horizontal scrollbar child.
protected int	hsbPolicy	It displays policy for the horizontal scrollbar.
protected Component	lowerLeft	This displays the lower left corner.
protected Component	lowerRight	This displays in the lower right corner.
protected JViewport	rowHead	It is row header child.
protected Component	upperLeft	This component displays in the upper left corner.
protected Component	upperRight	This component displays in the upper right corner.
protected JViewport	viewport	It is scrollpane's viewport child.
protected JScrollBar	vsb	It is scrollpane's vertical scrollbar child.
protected int	vsbPolicy	It is the display policy for the vertical scrollbar.

Useful methods

Modifier and Type	Method	Description
void	addLayoutComponent(String s, Component c)	It adds the specified component to the layout.
protected Component	addSingletonComponent(Component oldC, Component newC)	It removes an existing component.
JViewport	getColumnHeader()	It returns the JViewport object that is the column header.
Component	getCorner(String key)	It returns the Component at the specified corner.
JScrollBar	getHorizontalScrollBar()	It returns the JScrollBar object that handles horizontal scrolling.
int	getHorizontalScrollBarPolicy()	It returns the horizontal scrollbar-display policy.
JViewport	getRowHeader()	It returns the JViewport object that is the row header.
JScrollBar	getVerticalScrollBar()	It returns the JScrollBar object that handles vertical scrolling.

int	getVerticalScrollBarPolicy()	It returns the vertical scrollbar-display policy.
JViewport	getViewport()	It returns the JViewport object that displays the scrollable contents.

Example:

```

1. import javax.swing.ImageIcon;
2. import javax.swing.JFrame;
3. import javax.swing.JLabel;
4. import javax.swing.JScrollPane;
5. public class ScrollPaneDemo extends JFrame
6. {
7.     public ScrollPaneDemo() {
8.         super("ScrollPane Demo");
9.         ImageIcon img = new ImageIcon("child.png");
10.        JScrollPane png = new JScrollPane(new JLabel(img));
11.        getContentPane().add(png);
12.        setSize(300,250);
13.        setVisible(true);
14.    }
15.    public static void main(String[] args) {
16.        new ScrollPaneDemo();
17.    }
18. }

```

