## JScrollPane

###### JScrollPane scrolls to view the contents of the component added to it. Scrollbars are used to scroll the contents horizontally and vertically.

***Example***

*import javax.swing.\*;*

*import java.awt.event.\*;*

*import java.awt.\*;*

*public class ScrollPaneDemo extends JApplet*

*{*

*public void init()*

*{*

*Container cp = getContentPane();*

*// cp.setLayout( new BorderLayout()) ; not needed as container default is BorderLayout*

*JPanel jp = new JPanel( ) ;*

*jp.setLayout( new GridLayout( 20, 20 ) ) ;*

*for(int i = 0 ; i < 20 ; i++)*

*for( int j = 0 ; j < 20 ; j + + )*

*jp.add(new JButton("Button " + j));*

*int v = ScrollPaneConstants.VERTICAL\_SCROLLBAR\_AS\_NEEDED ;*

*int h = ScrollPaneConstants.HORIZONTAL\_SCROLLBAR\_AS\_NEEDED ;*

*JScrollPane js = new JScrollPane( jp, v, h ) ;*

*cp.add(js, BorderLayout.CENTER) ;*

*}*

*}*

***Output***

