

JAVA EXAMPLES - CREATE A FRAME

http://www.tutorialspoint.com/javaexamples/gui_newwindow.htm

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Problem Description:

How to display a message in a new frame?

Solution:

Following example demonstrates how to display message in a new frame by creating a frame using JFrame & using JFrames getContentPane, setSize & setVisible methods to display this frame.

```
import java.awt.*;
import java.awt.font.FontRenderContext;
import java.awt.geom.Rectangle2D;
import javax.swing.JFrame;
import javax.swing.JPanel;

public class Main extends JPanel {
    public void paint(Graphics g) {
        Graphics2D g2 = (Graphics2D) g;
        g2.setRenderingHint(RenderingHints.KEY_ANTIALIASING,
            RenderingHints.VALUE_ANTIALIAS_ON);
        g2.setFont(new Font("Serif", Font.PLAIN, 48));
        paintHorizontallyCenteredText(g2, "Java Source", 200, 75);
        paintHorizontallyCenteredText(g2, "and", 200, 125);
        paintHorizontallyCenteredText(g2, "Support", 200, 175);
    }
    protected void paintHorizontallyCenteredText(Graphics2D g2,
        String s, float centerX, float baselineY) {
        FontRenderContext frc = g2.getFontRenderContext();
        Rectangle2D bounds = g2.getFont().getStringBounds(s, frc);
        float width = (float) bounds.getWidth();
        g2.drawString(s, centerX - width / 2, baselineY);
    }
    public static void main(String[] args) {
        JFrame f = new JFrame();
        f.getContentPane().add(new Main());
        f.setSize(450, 350);
        f.setVisible(true);
    }
}
```

Result:

The above code sample will produce the following result.

JAVA and J2EE displayed in a new Frame
Loading [MathJax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js