

JAVA EXAMPLES - DISPLAY TEXT IN A RECTANGLE

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

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Problem Description:

How to display string in a rectangle?

Solution:

Following example demonstrates how to display each character in a rectangle by drawing a rectangle around each character using drawRect method.

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

public class Main extends JPanel {
    public void paint(Graphics g) {
        g.setFont(new Font("", 0, 100));
        FontMetrics fm = getFontMetrics(new Font("", 0, 100));
        String s = "message";
        int x = 5;
        int y = 5;
        for (int i = 0; i < s.length(); i++) {
            char c = s.charAt(i);
            int h = fm.getHeight();
            int w = fm.charWidth(c);
            g.drawRect(x, y, w, h);
            g.drawString(String.valueOf(c), x, y + h);
            x = x + w;
        }
    }

    public static void main(String[] args) {
        JFrame frame = new JFrame();
        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        frame.setContentPane(new Main());
        frame.setSize(500, 700);
        frame.setVisible(true);
    }
}
```

Result:

The above code sample will produce the following result.

Each character is displayed in a rectangle
Loading [MathJax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js