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// LabelTest.java
// Demonstrating the JLabel class.

// Java core packages
import java.awt.*;

// Java extension packages
import javax.swing.*;

public class LabelTest extends JFrame {
    private static final long serialVersionUID = -1997647219413018472L;
    private JLabel label1, label2, label3;

    // set up GUI
    public LabelTest() {
        super("Testing JLabel" );

        // get content pane and set its layout
        Container container = getContentPane();
        container.setLayout(new FlowLayout());

        // JLabel constructor with a string argument
        label1 = new JLabel("Label with text" );
        label1.setToolTipText("This is label1" );
        container.add(label1);

        // JLabel constructor with string, Icon and
        // alignment arguments
        Icon bug = new ImageIcon("bug1.png" );
        label2 = new JLabel("Label with text and icon" , bug,
            SwingConstants.LEFT);
        label2.setToolTipText("This is label2" );
        container.add(label2);

        // JLabel constructor no arguments
        label3 = new JLabel();
        label3.setText("Label with icon and text at bottom" );
        label3.setIcon(bug);
        label3.setHorizontalTextPosition(SwingConstants.CENTER);
        label3.setVerticalTextPosition(SwingConstants.BOTTOM);
        label3.setToolTipText("This is label3" );
        container.add(label3);

        setSize(275, 170);
        setVisible(true);
    }

    // execute application
    public static void main(String args[]) {
        LabelTest application = new LabelTest();

        application.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    }
} // end class LabelTest

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