

Repl.it Starter Code for Random Sentence

Look at the assignment on the main webpage.

Main.java

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

public class Main {

    public static void main(String[] args) {

        JFrame frame = new JFrame("RandomSentence");
        frame.setSize(260, 400);
        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

        JComponent newContentPane = new RandomSentence();
        newContentPane.setOpaque(true);
        frame.setContentPane(newContentPane);

        frame.setLocationRelativeTo(null);
        frame.setVisible(true);
    }
}
```

RandomSentence.java

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

public class RandomSentence extends JPanel implements ActionListener {
    JButton b1;
    public RandomSentence() {
        b1 = new JButton("The");
        b1.setPreferredSize(new Dimension(250, 38));
        b1.setBackground(Color.green);
        b1.setForeground(Color.blue);
        b1.addActionListener(this);
        b1.setActionCommand("1");
        add(b1);
    }
}
```

```
}

public void actionPerformed(ActionEvent e) {
    if (e.getActionCommand().equals("1")) {
        int r = (int) (Math.random() * 3);
        if (r == 0)
            b1.setText("The");
        else if (r == 1)
            b1.setText("A");
        else
            b1.setText("This");
    }
}

protected static ImageIcon createImageIcon(String path) {
    java.net.URL imgURL = RandomSentence.class.getResource(path);
    if (imgURL != null)
        return new ImageIcon(imgURL);
    else
        return null;
}
}
```