

```

1  /*
2   * David Lim
3   * 9/14/22
4   * Craps Game
5   */
6
7  import javax.swing.*;
8  import java.awt.*;
9  import java.awt.event.ActionListener;
10 import java.awt.event.ActionEvent;
11
12 public class Main extends JFrame implements ActionListener{
13     private int roll1;
14     private int roll2;
15     private int rollMax = 6;
16     private int rollMin = 1;
17     private int sum;
18     JTextArea txaCraps = new JTextArea("", 10, 30);
19     JButton btnRoll = new JButton("Roll");
20
21     public static void main(String[] args){
22         Main frame = new Main();
23         frame.setSize(500,500);
24         frame.setVisible(true);
25     }
26
27     public Main(){
28         super("Craps");
29         setDefaultCloseOperation(EXIT_ON_CLOSE);
30
31         setLayout(new FlowLayout());
32
33         add(txaCraps);
34         add(btnRoll);
35
36         btnRoll.addActionListener(this);
37     }
38
39     public void actionPerformed(ActionEvent event){
40         Object objSource = event.getSource();
41
42         if (objSource == btnRoll){
43             txaCraps.setText("");
44             roll1 = (int)Math.floor(Math.random() * (rollMax - rollMin + 1) + rollMin);
45             roll2 = (int)Math.floor(Math.random() * (rollMax - rollMin + 1) + rollMin);
46             sum = roll1 + roll2;
47             calculate calculate = new calculate(sum);
48
49             int point = calculate.returnPoints();
50             String outcome = calculate.getGameStatus();
51
52             String outputString = "";
53
54             outputString = "Roll 1: " + roll1 + "\t" + "Roll 2: " + roll2 + "\t" + "Sum: "
55                 + sum + "\n" +
56                 "Points: " + point + "\n" +
57                 outcome;
58             txaCraps.append(outputString);
59         }
60     }
61
62 }
63

```