9/13/22, 12:10 PM Main.java

```
1 /*
2
     * David Lim
3
    * 9/2/22
     * Dice Roll
4
    */
5
6
7
   import javax.imageio.ImageIO;
8
   import javax.swing.*;
9
   import java.awt.*;
10
   import java.awt.event.ActionListener;
   import java.awt.event.ActionEvent;
11
   import java.awt.image.BufferedImage;
12
13
   import java.io.File;
14
   import java.io.IOException;
   import java.util.Arrays;
15
16
17
    public class Main extends JFrame implements ActionListener{
        int rollMin = 1;
18
19
        int rollMax = 6;
20
21
        int randomRoll1; //don't assign value here so it can change with every button click
22
        int randomRoll2;
        JTextArea txaRandomRoll = new JTextArea("", 10, 30);
23
        JButton btnRoll = new JButton("Roll");
24
25
26
        public static void main(String[] args){
27
            Main frame = new Main();
            frame.setSize(500,500);
28
29
            frame.setVisible(true);
30
31
        }
32
33
        //declare constructor for the project
        public Main(){
34
            //application bar name
35
36
            super("Dice Roll");
37
            setDefaultCloseOperation(EXIT_ON_CLOSE);
38
39
            //layout manager
            setLayout(new FlowLayout());
40
41
42
            //screen components
            add(txaRandomRoll);
43
            add(btnRoll);
44
45
46
            //add listener for the button
            btnRoll.addActionListener(this);
47
        }//end of constructor
48
49
50
        //execute code below on button click
51
52
        public void actionPerformed(ActionEvent event){
            Object objSource = event.getSource();
53
54
55
            if (objSource == btnRoll){
56
                txaRandomRoll.setText("");
                randomRoll1 = (int)Math.floor(Math.random() * (rollMax - rollMin + 1) + rollMin);
```