Jack Utzerath
CST-105 9am
Exercise 3
10/09/21

Loom Video
https://www.loom.com/share/0e40ad78f59b4edc9fa8c3e2b8cd1692

Text from my program:

```
/*
 *Jack Utzerath
 * CST-105 9am
 * Exercise 3
 * 10/4/21
 * My Own Work
 */

package app;

//Import Scanner Class
import java.util.Scanner;

//Import Random Class
import java.util.Random;

public class Exercise3 {

	public static void main(String[] args) {

		// Create Scanner Object
		Scanner myInput = new Scanner(System.in);

		// Create Random Object
		Random rand = new Random();
```

```
// Create Minimum and Maximum
int min = 1, max = 10000;

// Generate random number
int source = rand.nextInt(max - min) + min;

//Create boolean with the indicator winner
boolean winner = false;

//Use while loop
while (!winner)
{
	//Print out the range of values with min and max
	System.out.printf("Guess a number %s and %s: \n", min, max);
	//Get user input
	int guess = myInput.nextInt();


	//Situation where the guess is outside the min or max
	if ((guess < min) || (guess > max))
	{
		//Tell user the guess isn't valid
		System.out.printf("%s is an invalid guess\n", guess);
	}

	//Situation where the guess is less than the source
	else if (guess < source)
	{
		//Tell user the guess is lower
		System.out.println("Your guess is Lower, guess better");
		//Change the range of values
		min = guess;
	}

	//Situation where the guess is greater than the source
	else if (guess > source)
	{
		//Tell user the guess is Higher
		System.out.println("Your guess is Higher, guess better");
```

```
                    //Change the range of values
                    max = guess;
                }

                //Winning Situation
                else if (guess == source)
                {
                    //Tell user they won
                    System.out.println("Winner! Winner! Chicken Dinner!");
                    //Set boolean to true so the while stops
                    winner = true;

                }


            }

            myInput.close();


        }

}
```

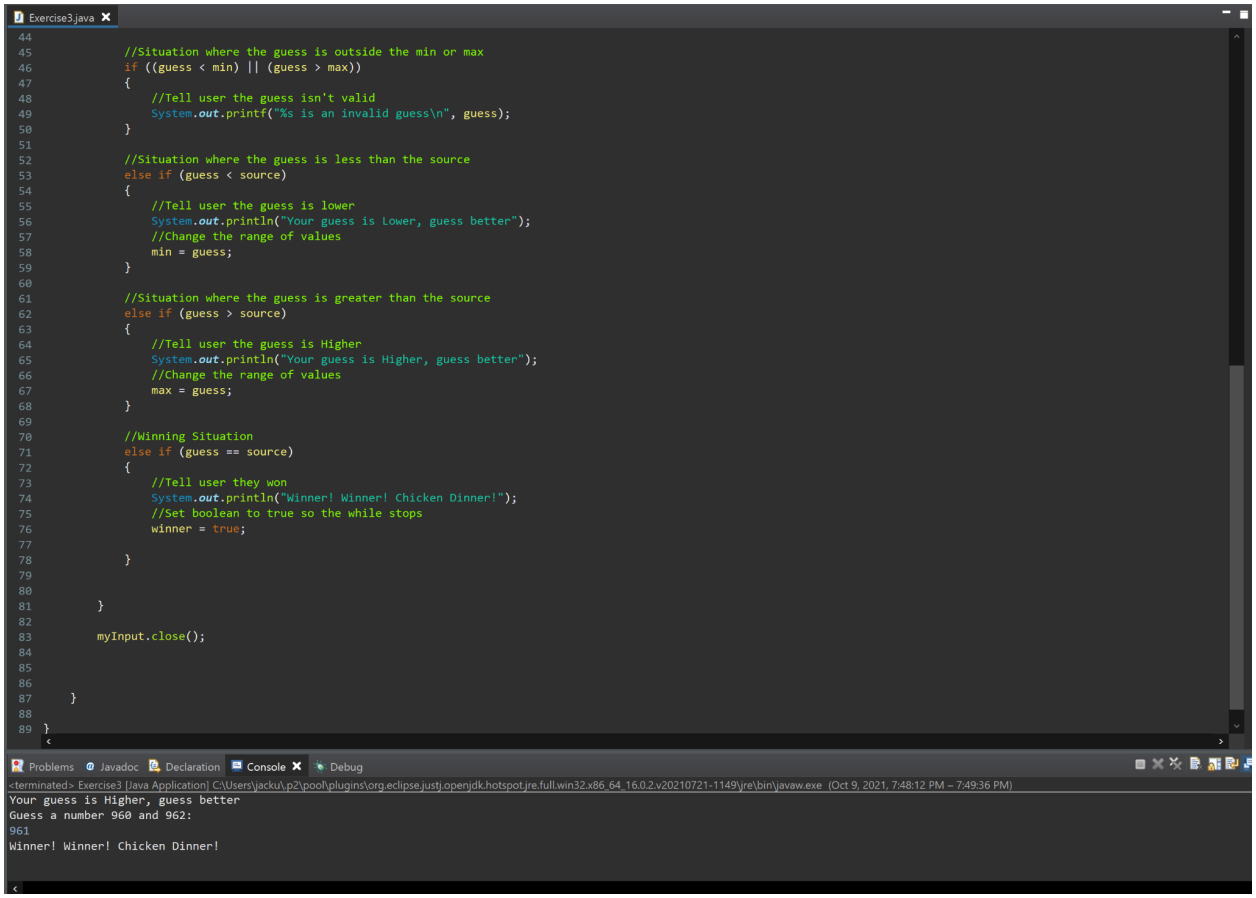
Exercise3.java

```java
/*
 *Jack Utzerath
 * CST-105 9am
 * Exercise 3
 * 10/4/21
 * My Own Work
 */

package app;

//Import Scanner Class
import java.util.Scanner;

//Import Random Class
import java.util.Random;

public class Exercise3 {

    public static void main(String[] args) {

        // Create Scanner Object
        Scanner myInput = new Scanner(System.in);

        // Create Random Object
        Random rand = new Random();

        // Create Minimum and Maximum
        int min = 1, max = 10000;

        // Generate random number
        int source = rand.nextInt(max - min) + min;

        //Create boolean with the indicator winner
        boolean winner = false;

        //Use while loop
        while (!winner)
        {
            //Print out the range of values with min and max
            System.out.printf("Guess a number %s and %s: \n", min, max);
            //Get user input
            int guess = myInput.nextInt();


            //Situation where the guess is outside the min or max
            if ((guess < min) || (guess > max))
```

Problems Javadoc Declaration Console Debug

<terminated> Exercise3 [Java Application] C:\Users\jacku\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_16.0.2.v20210721-1149\jre\bin\javaw.exe (Oct 9, 2021, 7:48:12 PM – 7:49:36 PM)

```
Your guess is Higher, guess better
Guess a number 960 and 962:
961
Winner! Winner! Chicken Dinner!
```


Exercise3.java
44
45 //Situation where the guess is outside the min or max
46 if ((guess < min) || (guess > max))
47 {
48 //Tell user the guess isn't valid
49 System.out.printf("%s is an invalid guess\n", guess);
50 }
51
52 //Situation where the guess is less than the source
53 else if (guess < source)
54 {
55 //Tell user the guess is lower
56 System.out.println("Your guess is Lower, guess better");
57 //Change the range of values
58 min = guess;
59 }
60
61 //Situation where the guess is greater than the source
62 else if (guess > source)
63 {
64 //Tell user the guess is Higher
65 System.out.println("Your guess is Higher, guess better");
66 //Change the range of values
67 max = guess;
68 }
69
70 //Winning Situation
71 else if (guess == source)
72 {
73 //Tell user they won
74 System.out.println("Winner! Winner! Chicken Dinner!");
75 //Set boolean to true so the while stops
76 winner = true;
77
78 }
79
80
81 }
82
83 myInput.close();
84
85
86
87 }
88
89 }
Problems
Javadoc
Declaration
Console
Debug
<terminated> Exercise3 [Java Application] C:\Users\jacku\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_16.0.2.v20210721-1149\jre\bin\javaw.exe (Oct 9, 2021, 7:48:12 PM – 7:49:36 PM)
Your guess is Higher, guess better
Guess a number 960 and 962:
961
Winner! Winner! Chicken Dinner!