

```

1 import java.util.Scanner;
2 public class GuessingGame {
3     public static void main(String[] args) {
4         boolean wantToPlay = true;
5         while (wantToPlay){
6             Scanner scan = new Scanner(System.in);
7             int guess = 0;
8             int rand = (int) (Math.random() * 100 + 1
9         );
10            int tries = 0;
11            int triesHigh = 0;
12            int triesLow = 0;
13            //test if code works
14            //System.out.println(rand);
15            while (guess != rand) {
16                System.out.println("Guess a integer
17                between 1 and 100 inclusive: ");
18                tries++;
19                guess = scan.nextInt();
20                if (guess < rand) {
21                    System.out.println("Guess higher
22                    !");
23                    triesLow++;
24                } else if (guess > rand) {
25                    System.out.println("Guess lower!");
26                }
27                triesHigh++;
28            }
29            System.out.println("Great Job! You
30            guessed the number in " + tries + " tries! " +
31            triesHigh + " is how many" +
32            " times you guessed high. " +
33            triesLow + " is how many time you guessed low.");
34            scan.nextLine();
35            System.out.println("Do you want to play
36            again (Enter Y or N)");
37            String play = scan.nextLine();
38            if (play.toLowerCase().equals("y")){
39                wantToPlay = true;
40            }
41        }
42    }
43 }

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34         else{
35             wantToPlay = false;
36         }
37     }
38 }
39 }
40
```