

```

1 import java.util.*;
2
3
4 public class Task_1 {
5     public static void main(String[] args) {
6         Scanner sc = new Scanner(System.in);
7         Random random = new Random();
8
9         int min_value= 1;
10        int max_value = 100;
11        int max_attempts = 10;
12
13
14        System.out.println("You are most welcomed at Number Guessing game!");
15        int total_rounds = 0;
16        int total_attempts = 0;
17
18        boolean play_again = true;
19        while (play_again) {
20            total_rounds++;
21            int computer_number = random.nextInt(max_value - min_value + 1) +
min_value;
22            int attempts = 0;
23
24            System.out.println("Round No. : " + total_rounds);
25
26            while (attempts < max_attempts) {
27                attempts++;
28                System.out.print("Attempt " + attempts + "/" + max_attempts + ": You
have to guess a number between " + min_value + " and " + max_value + ": ");
29                int userGuess = sc.nextInt();
30
31                if (userGuess < computer_number) {
32                    System.out.println("Too low! Guess a higher number.");
33                } else if (userGuess > computer_number) {
34                    System.out.println("Too high! Guess a lower number.");
35                } else {
36                    System.out.println("Congratulations! You've guessed the number "
+ computer_number + " correctly in " + attempts + " attempts.");
37                    total_attempts += attempts;
38                    break;
39                }
40            }
41
42            if (attempts == max_attempts) {
43                System.out.println("Sorry, you can't play anymore. The correct number
was " + computer_number + ".");
44            }
45
46            System.out.print("Do you want to play another round? (yes/no): ");
47            String playAgainInput = sc.next().toLowerCase();
48            play_again = playAgainInput.equals("yes");
49        }
50
51        System.out.println("Game Over!") ;
52        System.out.println("You played " + total_rounds + " rounds " );
53        double score = total_attempts / total_rounds;
54        System.out.print("Your average attempts per round:" + score);
55    }

```

56 }  
57  
58  
59  
60  
61