

```
1 import java.sql.SQLOutput;
2 import java.util.Random;
3 import java.util.Scanner;
4
5 public class Main{
6     public static void main(String[]args){
7         Scanner scanner = new Scanner(System.in);
8         Random random = new Random();
9         int score = 0;
10
11         boolean playAgain = true;
12
13         while (playAgain){
14             int numberToGuess = random.nextInt(100
15 ) + 1;
16             int maxAttempts = 5;
17             int attempts = 0;
18             boolean correctGuess = false;
19
20             System.out.println("Welcome to the number
21 guessing game!");
22             System.out.println("Guess the number
23 between 1 and 100");
24             System.out.println("you have" +
25 maxAttempts + "attempts");
26
27             while (attempts < maxAttempts && !
28 correctGuess){
29                 System.out.println("Enter your guess
30 :");
31                 int guess = scanner.nextInt();
32                 attempts++;
33
34                 if (guess == numberToGuess){
35                     System.out.println("
36 Comgratulations! You guessed the number in " +
37 attempts + "attempts");
38
39                     correctGuess = true;
40                     score++;
41                 }
42             }
43         }
44     }
45 }
```

```
34         } else if (guess < numberToGuess) {
35             System.out.println("Too low");
36         }
37         else{
38             System.out.println("Too high");
39         }
40     }
41     if (!correctGuess){
42         System.out.println("Sorry , you ran
out of attempts. The number was" + numberToGuess);
43     }
44     System.out.println("Do you want to play
again?");
45     String answer = scanner.next();
46     playAgain = answer.equalsIgnoreCase("yes"
);
47     }
48
49     System.out.println("Your final score is:" +
score);
50     scanner.close();
51 }
52 }
```