

HiLoGuessNumber.java

```
1
2 import java.util.Random;
3
4
5 public class HiLoGuessNumber {
6
7     public static void main(String[] args) {
8
9         int play = 1;
10
11         while (play==1)
12         {
13
14             Random rand = new Random();
15             int n = rand.nextInt(100);
16             n += 1;
17
18             Scanner guess = new Scanner(System.in);
19             System.out.println("Guess a number between 1 and 100 inclusive. ");
20             int num = guess.nextInt();
21             int count = 1;
22
23             while (num!=n && num!=0) {
24
25                 if (num<n) {
26                     System.out.println("Sorry, your number is too low. "
27                         + "Guess again or type 0 to exit.");
28                     num = guess.nextInt();
29                 }
30                 else {
31                     System.out.println("Sorry, your number is too high. "
32                         + "Guess again or type 0 to exit.");
33                     num = guess.nextInt();
34                 }
35
36                 count++;
37             }
38
39             if (num==n) {
40                 System.out.println("Great job! You guessed the right number: " + n);
41                 System.out.println("You guessed " + count + " times.");
42             }
43             else if (num==0)
44                 System.out.println("You quit. The number was " + n + ".");
45
46             System.out.println("If you would like to play again, type 1.");
47             play = guess.nextInt();
48
49         }
50
51     }
52 }
53
```