

```

1 import java.util.Random;
2 import java.util.Scanner;
3
4 public class HighLow {
5
6     public static void main(String[] args) {
7         //Objects
8         Scanner scan = new Scanner(System.in);
9         Random rand = new Random();
10
11         int randNum = rand.nextInt(100) + 1; //return a random number between 1-100
12         int guess = -1;
13         int count = 10;
14
15         while(randNum != guess && count > 0) { // if both sides are not true the loop will break
16             System.out.println("What is your guess?");
17             guess = scan.nextInt();
18             if(guess == randNum) {
19                 System.out.println("You Win!");
20                 break;
21             }
22             else if(guess > randNum) {
23                 System.out.println("Too High");
24             }
25             else {
26                 System.out.println("Too Low.");
27             }
28             count--; // count++ instead of setting the number one greater we are now decrementing the number
29                     // count = count - 1;    or    count-=1;
30             System.out.println("You have " + count + " guesses left.");
31         }
32         if(count == 0 && randNum != guess) {
33             System.out.println("You Lose.");
34         }
35
36         //Compound booleans
37         /*
38          * &&   or and       if either side of the boolean is false it will evaluate to false   false && true = false
39          * ||   or or       if either side of the boolean is true it will evaluate to true    false || true = true
40          */
41     }
42 }
43
44

```