

```
1 package prgm1;
2 import java.util.Scanner;
3 public class guess {
4
5     public static void
6     guessingNumberGame ()
7     {
8         // Scanner Class
9         Scanner sc = new Scanner(System.in);
10
11         // Generate the numbers
12         int number = 1 + (int) (100
13                             * Math.random());
14
15         // Given K trials
16         int K = 5;
17
18         int i, guess;
19
20         System.out.println(
21             "A number is chosen"
22             + " between 1 to 100."
23             + "Guess the number"
24             + " within 5 trials.");
25
26         // Iterate over K Trials
27         for (i = 0; i < K; i++) {
28
29             System.out.println(
30                 "Guess the number:");
31
32             // Take input for guessing
33             guess = sc.nextInt();
34
35             // If the number is guessed
36             if (number == guess) {
37                 System.out.println(
38                     "Congratulations!"
39                     + " You guessed the number.");
40                 break;
41             }
42             else if (number > guess
43                     && i != K - 1) {
44                 System.out.println(
45                     "The number is "
46                     + "greater than " + guess);
47             }
48             else if (number < guess
49                     && i != K - 1) {
50                 System.out.println(
51                     "The number is"
52                     + " less than " + guess);
53             }
54         }
55
56         if (i == K) {
57             System.out.println(
58                 "You have exhausted"
59                 + " K trials.");
60         }
61     }
62 }
```

guess.java

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```
60
61         System.out.println(
62             "The number was " + number);
63     )
64 )
65
66 // Driver Code
67 main(String arg[])
74 )
75
76
77
```