

NUMBER GAME

```
package intern;
import java.util.Scanner;

public class NumberGame {

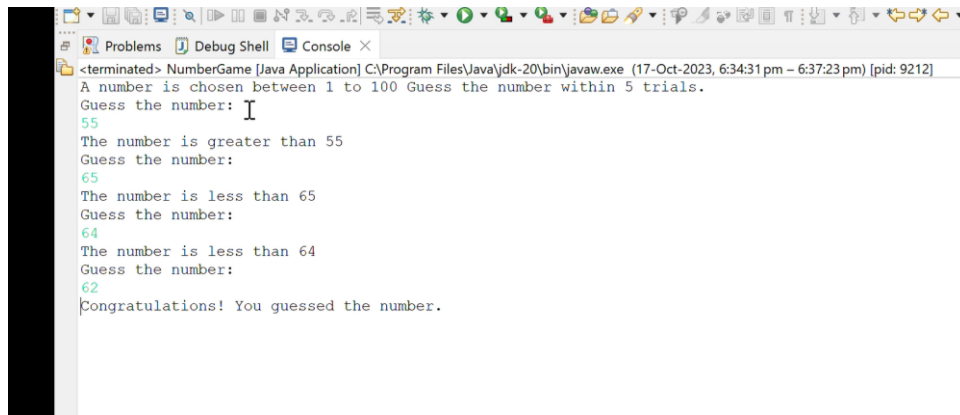
    // Function that implements the

    // number guessing game
    public static void NumberGame()
    {
        try (Scanner sc = new Scanner(System.in))
        {
            // Generating the numbers
            int number = 1 + (int) (100* Math.random());
            // Giving K trials
            int K = 5;
            int i, guess;
            System.out.println("A number is chosen between 1 to 100 Guess the number
within 5 trials.");
            // Iterating over K Trials
            for (i = 0; i < K; i++) {
                System.out.println("Guess the number:");
                // Taking input for guessing
                guess = sc.nextInt();
                // If the number is guessed
                if (number == guess) {
                    System.out.println("Congratulations! You guessed the number.");
                    break;
                }
                else if (number > guess && i != K - 1) {

                    System.out.println("The number is greater than " + guess);
                }
                else if (number < guess && i != K - 1) {

                    System.out.println("The number is" + " less than " + guess);
                }
            }
            if (i == K) {
                System.out.println("You guessed wrong.");
                System.out.println("The number was " + number);
            }
        }
    }

    public static void main(String arg[])
    {
        NumberGame();
    }
}
```



```
<terminated> NumberGame [Java Application] C:\Program Files\Java\jdk-20\bin\javaw.exe (17-Oct-2023, 6:34:31 pm - 6:37:23 pm) [pid: 9212]
A number is chosen between 1 to 100 Guess the number within 5 trials.
Guess the number: 55
The number is greater than 55
Guess the number: 65
The number is less than 65
Guess the number: 64
The number is less than 64
Guess the number: 62
Congratulations! You guessed the number.
```