Task 1 : Number Guess

Input :

J GuessNumberGame.java > 🔷 GuessNumberGame > ⓨ main(String[])

```java
import java.util.Random;
import java.util.Scanner;

public class GuessNumberGame {

    Run | Debug
    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        Random random = new Random();
        int min = 1;
        int max = 100;
        int maxAttempts = 5;
        int score = 0;
        char playAgain;

        do {
            int randomNumber = random.nextInt(max - min + 1) + min;
            int attempts = 0;
            boolean guessedCorrect = false;

            System.out.println(x: "\nGuess the number between 1 and 100");
            System.out.println("You have " + maxAttempts + " attempts.");

            while (attempts < maxAttempts) {
                System.out.print(s: "Enter your guess: ");
                int userGuess = scanner.nextInt();
                attempts++;

                if (userGuess == randomNumber) {
                    System.out.println(x: "Correct! You guessed the number.");
                    score++;
                    guessedCorrect = true;
                    break;
                }
                else if (userGuess > randomNumber) {
                    System.out.println(x: "Too high!");
                }
                else {
                    System.out.println(x: "Too low!");
                }
```

```java
42                    }
43
44        v       if (!guessedCorrect) {
45                    System.out.println(x: "You have used all attempts.");
46                    System.out.println("The correct number was: " + randomNumber);
47                }
48
49                System.out.print(s: "Do you want to play again? (y/n): ");
50                playAgain = scanner.next().charAt(index: 0);
51
52            } while (playAgain == 'y' || playAgain == 'Y');
53
54            System.out.println(x: "\nGame Over!");
55            System.out.println("Your score: " + score);
56
57            scanner.close();
58        }
59    }
60
```

Output :

```
OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

PS C:\Users\Asus\Desktop\java programming language> java GuessNumberGame.java

Guess the number between 1 and 100
You have 5 attempts.
Enter your guess: 4
Too low!
Enter your guess: 18
Too high!
Enter your guess: 44
Too high!
Enter your guess: 67
Too high!
Enter your guess: 98
Too high!
You have used all attempts.
The correct number was: 7
Do you want to play again? (y/n): n

Game Over!
Your score: 0
PS C:\Users\Asus\Desktop\java programming language>
```