# Task-1  Number Game

```java
import java.util.Random;

import java.util.Scanner;

public class NumberGuessingGame {

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        Random random = new Random();

        boolean playAgain = true;

        int score = 0;

        int round = 0;

        while (playAgain) {

            int numberToGuess = random.nextInt(100) + 1;

            int attempts = 0;

            boolean correctGuess = false;

            round++;


            System.out.println("Round " + round + ": Guess the number between 1 and 100. You have 10 attempts.");


            while (attempts < 10 && !correctGuess) {

                System.out.print("Enter your guess: ");

                int userGuess = scanner.nextInt();

                attempts++;


                if (userGuess == numberToGuess) {

                    System.out.println("Congratulations! You've guessed the correct number.");

                    correctGuess = true;

                    score += 10 - attempts;

                } else if (userGuess > numberToGuess) {
```

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                System.out.println("Too high! Try again.");

            } else {

                System.out.println("Too low! Try again.");

            }

        }



        if (!correctGuess) {

            System.out.println("Sorry, you've used all your attempts. The correct number was: " + numberToGuess);

        }



        System.out.println("Your current score is: " + score);

        System.out.print("Do you want to play again? (yes/no): ");

        String response = scanner.next();

        playAgain = response.equalsIgnoreCase("yes");

    }



    System.out.println("Thank you for playing! Your final score is: " + score);

    scanner.close();

  }

}
```