

```

import java.util.Scanner;
public class NumberGuessingGame {
    public static void main(String[] args) {
        // Generate a random number between 1 and 10
        int targetNumber = (int) (Math.random() * 10) + 1;

        // Initialize the Scanner object for user input
        Scanner scanner = new Scanner(System.in);
        int guess;
        int attempts = 0;
        int maxAttempts = 5;

        System.out.println("Welcome to the Number Guessing Game!");
        System.out.println("I have selected a number between 1 and 10. Try to guess it!");

        // Loop until the user guesses correctly or exceeds max attempts
        while (attempts < maxAttempts) {
            System.out.print("Enter your guess: ");
            guess = scanner.nextInt();
            attempts++;

            // Check if the guess is correct, too high, or too low
            if (guess == targetNumber) {
                System.out.println("Congratulations! You've guessed the correct number.");
                break;
            } else if (guess > targetNumber) {
                System.out.println("Too high, try again.");
            } else {
                System.out.println("Too low, try again.");
            }

            // If the user exceeds max attempts
            if (attempts == maxAttempts) {
                System.out.println("Sorry! You've used all your attempts. The correct number was " +
targetNumber + ".");
            }
        }

        // Close the scanner
        scanner.close();
    }
}

```