import java.util.Scanner;

import java.util.Random;

public class NumberGuessingGame {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

Random random = new Random();

int minRange = 1; // Minimum value of the range

int maxRange = 100; // Maximum value of the range

int targetNumber = random.nextInt(maxRange - minRange + 1) + minRange;

int attempts = 0;

int score = 0;

System.out.println("Welcome to the Number Guessing Game!");

System.out.println("I've selected a number between " + minRange + " and " + maxRange + ". Can you guess it?");

boolean playAgain = true;

while (playAgain) {

int userGuess;

boolean guessedCorrectly = false;

while (!guessedCorrectly) {

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

userGuess = scanner.nextInt();

attempts++;

if (userGuess == targetNumber) {

System.out.println("Congratulations! You guessed it right.");

guessedCorrectly = true;

score++;

} else if (userGuess < targetNumber) {

System.out.println("Too low! Try a higher number.");

} else {

System.out.println("Too high! Try a lower number.");

}

}

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

String playAgainInput = scanner.next().toLowerCase();

playAgain = playAgainInput.equals("yes");

if (playAgain) {

targetNumber = random.nextInt(maxRange - minRange + 1) + minRange;

System.out.println("I've selected a new number. Let's play again!");

}

}

System.out.println("Game over! Your score: " + score + " out of " + attempts + " attempts.");

scanner.close();

    }

}