import java.util.Random;

import java.util.Scanner;

public class NumberGame {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

Random in = new Random();

int lnum = 1;

int unum = 100;

int max\_attempts = 10;

int score = 0;

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

while (true) {

int generated\_number = in.nextInt(unum - lnum + 1) + lnum;

System.out.println("\nI have generated a number between " + lnum + " and " + unum);

System.out.println("You have " + max\_attempts + " attempts to guess the number");

for (int a = 1; a <= max\_attempts; a++) {

System.out.print("Attempt " + a + ": Enter guess: ");

int myguess = scanner.nextInt();

if (myguess == generated\_number) {

System.out.println("Congratulations! Your guess is correct!");

score += (max\_attempts - a + 1);

break;

} else if (myguess < generated\_number) {

System.out.println("Your guess is low. Try again!");

} else {

System.out.println("Your guess is high. Try again!");

}

if (a == max\_attempts) {

System.out.println("Sorry, you have used all your attempts.The number was: " + generated\_number);

}

}

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

String playAgain = scanner.next();

if (!playAgain.equalsIgnoreCase("yes")) {

break;

}

}

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

System.out.println("Thanks for playing..!");

scanner.close();

}

}