import java.util.Random;

import java.util.Scanner;

public class GuessingGame {

private int targetNumber;

private int remainingGuesses;

private int userScore;

public GuessingGame() {

Random random = new Random();

targetNumber = random.nextInt(100) + 1;

remainingGuesses = 10;

userScore = 100;

}

public void playGame() {

Scanner scanner = new Scanner(System.in);

while (remainingGuesses > 0) {

System.out.print("Enter your guess (1-100): ");

int userGuess = scanner.nextInt();

if (userGuess == targetNumber) {

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

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

return;

} else if (userGuess < targetNumber) {

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

} else {

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

}

remainingGuesses--;

userScore -= 10;

System.out.println("Remaining guesses: " + remainingGuesses);

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

}

System.out.println("Game over! The correct number was: " + targetNumber);

}

public static void main(String[] args) {

GuessingGame game = new GuessingGame();

game.playGame();

}

}