import java.util.Random;

import java.util.Scanner;

public class NumberGuessingGame{

public static void main(String args[]){

Scanner sc = new Scanner(System.in);

Random random = new Random();

int lowerBound = 1;

int upperBound = 100;

int numberToGuess = random.nextInt(upperBound - lowerBound + 1);

int attempts = 0;

int maxAttempts = 10;

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

System.out.println("I have selected a number between" + lowerBound + "and" + upperBound + ". can you guess it?");

while(attempts < maxAttempts){

System.out.println("Enter your guess Number: ");

int userGuess = sc.nextInt();

attempts++;

if(userGuess == numberToGuess){

System.out.println("try a higher number.");

}

else{

System.out.println("try a lower number.");

}

if(attempts == maxAttempts){

System.out.println("sorry, you've reached yhe maximum number of attempts. the correct number was: " + numberToGuess);

}

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

}

}

}