import java.util.\*;

public class Main

{

public static void main(String[] args) {

Scanner input=new Scanner(System.in);

//ArrayList<Integer> scoreboard=new ArrayList<Integer>();

System.out.print("\n"+"What would you like the range of the game to be? ");

int numberRange = input.nextInt();

int randomNumber = randomNumber(numberRange);

guessNumber(randomNumber,numberRange);

}

public static int scoreboard(int numberRange,int count)

{

int score=numberRange-count;

System.out.println("Congratulations!!Your score is"+score);

return score;

}

public static int randomNumber(int numberRange) {

Random random = new Random();

int randomNumber = random.nextInt(numberRange) + 1;

System.out.println("random number is" + randomNumber);

return randomNumber;

}

public static void guessNumber(int randomNumber,int numberRange) {

Scanner input = new Scanner(System.in);

System.out.print("\n"+"how many attempts do you need to clear the game? ");

int max=input.nextInt();

int count=0;

int userGuess;

do {

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

userGuess = input.nextInt();

count++;

if (userGuess < randomNumber) {

System.out.println("Lower");

} else // (userGuess < randomNumber)

{

System.out.println("Higher");

}

} while (randomNumber != userGuess&&count<=max);

System.out.println(" ");

if(randomNumber != userGuess)

{

System.out.println("Attempts exceeded");

System.out.println("score is Zero");

}

else{

if (count == 1) {

System.out.println("You answered right in " + count + " try!");

scoreboard(numberRange,count);

} else {

System.out.println("You answered right in " + count + " tries!");

scoreboard(numberRange,count);

}

}

}

}