import java.util.Scanner;

public class numguess

{

public void main()

{

int i,j,x1,x2,count=0,num2=0,range;

double num1,mid;

Scanner sc=new Scanner(System.in);

System.out.println("SPECIFY VALUE OF LIMITS SUCH THAT PLAYER 1 SELECTS A RANDOM INTEGER FROM LIMIT1-LIMIT2");

System.out.println("ENTER LOWER LIMIT");

x1=sc.nextInt();

System.out.println("ENTER UPPER LIMIT");

x2=sc.nextInt();

range=x2-x1+1;

num1=x1+(Math.random()\*range);

System.out.println("GUESS THE NUMBER BETWEEN THE ENTERED RANGE(MAXIMUM GUESSES IS 10)");

num2=sc.nextInt();

if((num2>=x1)&&(num2<=x2))

{

while(count<10)

{

if(num2==(int)num1)

{

count++;

System.out.println("Number found in "+count+" attempts");

break;

}

if(num2>(int)num1)

{

count++;

System.out.println("too high,take another try");

x2=num2;

num2=sc.nextInt();

}

else

{

count++;

System.out.println("too low,take another try");

x1=num2;

num2=sc.nextInt();

}

}

}

else

{

System.out.println("OUT OF RANGE");

}

}

}

import java.util.Scanner;

public class nim

{

public void main()

{

int i,j,x1,x2,count=0,num2=0,range;

double num1,mid;

Scanner sc=new Scanner(System.in);

System.out.println("SPECIFY VALUE OF LIMITS SUCH THAT PLAYER 1 SELECTS A RANDOM INTEGER FROM LIMIT1-LIMIT2");

System.out.println("ENTER LOWER LIMIT");

x1=sc.nextInt();

System.out.println("ENTER UPPER LIMIT");

x2=sc.nextInt();

range=x2-x1+1;

num1=x1+(Math.random()\*range);

System.out.println("GUESS THE NUMBER BETWEEN THE ENTERED RANGE(MAXIMUM GUESSES IS 10)");

num2=sc.nextInt();

if((num2>=x1)&&(num2<=x2))

{

while(count<10)

{

if(num2==(int)num1)

{

count++;

System.out.println("Number found in "+count+" attempts");

break;

}

if(num2>(int)num1)

{

count++;

System.out.println("too high,take another try");

x2=num2;

num2=sc.nextInt();

}

else

{

count++;

System.out.println("too low,take another try");

x1=num2;

num2=sc.nextInt();

}

}

}

else

{

System.out.println("OUT OF RANGE");

}

}

}

import java.util.Scanner;

public class palindrome

{

public void main()

{

String str,str1="";

int l,i;

Scanner sc=new Scanner(System.in);

System.out.println("ENTER ANY WORD TO CHECK WHETHER IT IS PALINDROME OR NOT");

str=sc.nextLine();

l=str.length();

for(i=l-1;i>=0;i--)

{

str1=str1+str.charAt(i);

}

if(str.compareTo(str1)==0)

{

System.out.println("PALINDROME STRING");

}

else

{

System.out.println("NOT A PALINDROME STRING");

}

}

}

import java.util.Scanner;

public class division

{

public void main()

{

int l,i=0,n,largest=0,smallest=0,sum=0,j,avg=0;

int[] arr=new int[100];

Scanner sc=new Scanner(System.in);

System.out.println("ENTER THE NUMBER OF INTEGERS TO BE ENTERED");

n=sc.nextInt();

System.out.println("ENTER THEM ONE BY ONE");

while(n>0)

{

arr[i]=sc.nextInt();

i++;

n--;

}

largest=arr[0];

smallest=arr[0];

for(j=0;j<i;j++)

{

if(largest<arr[j])

{

largest=arr[j];

}

if(smallest>arr[j])

{

smallest=arr[j];

}

sum+=arr[j];

}

avg=sum/i;

System.out.println("LARGEST IS:"+largest);

System.out.println("SMALLEST IS:"+smallest);

System.out.println("AVERAGE IS:"+avg);

}

}

import java.util.Scanner;

public class count

{

public void main()

{

int l,i,j,count=0;

char c1,c2;

String str;

String[] arr1=new String[100];

String[] arr2=new String[100];

Scanner sc=new Scanner(System.in);

System.out.println("ENTER A STRING TO DISPLAY NUMBER OF REPETITION COUNT");

str=sc.nextLine();

l=str.length();

for(i=0;i<l-1;i++)

{

c1=str.charAt(i);

for(j=i+1;j<l-1;j++)

{

c2=str.charAt(i);

count++;

}

System.out.println(count);

}

}

}

import java.util.Scanner;

public class encryption

{

public void main()

{

int i,j,k=0,l,m;

String str;

Scanner sc=new Scanner(System.in);

System.out.println("ENTER A STRING TO ENCRYPT IT");

str=sc.nextLine();

l=str.length();

char c[]=str.toCharArray();

char arr[]=new char[100];

for(i=0,j=l-1;i<l;i++,j--)

{

arr[k]=

k++;

}

System.out.print("ENCRYPTED STRING:");

for(m=0;m<l;m++)

{

System.out.print(arr[m]);

}

}

}