Prime and composite:

import java.util.Scanner;

public class prime

{

public static void main(String []args)

{

Scanner s=new Scanner(System.in);

System.out.println("enter n value:");

int n=s.nextInt();

int a[]=new int[n];

System.out.println("enter numbers:");

for(int i=0;i<n;i++)

{

a[i]=s.nextInt();

}

int prime=0,composite=0;

for(int i=0;i<n;i++)

{

int pri=0;

for(int j=1;j<=100;j++)

{

if(a[i]%j==0)

pri+=1;

}

if(pri==2)

prime+=1;

else

composite+=1;

}

System.out.println("composite are:"+composite);

System.out.println("\nprime is:"+prime);

}

}

Lcmgcd:

import java.util.Scanner;

public class lcmgcd

{

public static void main(String [] args)

{

int n1,n2,gcd=2,lcm;

Scanner s=new Scanner(System.in);

System.out.println("enter the number:");

n1=s.nextInt();

System.out.println("enter the number:");

n2=s.nextInt();

for(int i=1;i<=n1 && i<=n2;i++)

{

if(n1%i==0 && n2%i==0)

{

gcd=2;

}

}

System.out.println("gcd is:"+gcd);

lcm=(n1\*n2)/gcd;

System.out.println("lcm is:"+lcm);

}

}

Dbo:

import java.util.Scanner;

public class dboconvert

{

public static void main(String [] args)

{

Scanner s=new Scanner(System.in);

System.out.println("enter decimal:");

int num=Integer.parseInt(s.nextLine);

String binary=Integer.toBinaryString(num);

System.out.println("binary is:"+binary);

String octal=Integer.toOctalString(num);

System.out.println("octal is:"+octal);

}

}

Reverse of a string:

import java.util.Scanner;

public class reverse

{

public static void main(String [] args)

{

Scanner s=new Scanner(System.in);

System.out.println("enter the string:");

String word=s.nextLine();

String reversed=" ";

for(int i=word.length()-1;i>=0;i--)

{

reversed+=word.charAt(i);

}

System.out.println("reversed string is:"+reversed);

}

}

Reverse of num:

import java.util.Scanner;

public class revnum

{

public static void main(String [] args)

{

int num,digit=0,rev=0;

Scanner s=new Scanner(System.in);

System.out.println("enter a number");

num=s.nextInt();

for(int i=0;i<=num;i++)

{

digit=num%10;

rev=rev\*10+digit;

num/=10;

}

System.out.println(" "+rev);

}

}

Triangle(112233444):

import java.util.Scanner;

public class triangle

{

public static void main(String args[])

{

int n=5,i,j;

for(i=1;i<=n;i++)

{

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

{

System.out.print(i);

}

System.out.println();

}

}

}

Rectangle:

import java.util.Scanner;

public class rectangle

{

public static void main(String []args)

{

int n=3,m=5;

for(int i=1;i<=n;i++)

{

for(int j=1;j<=m;j++)

{

System.out.print("\*");

}

System.out.println(" ");

}

}

}

Skipping:

import java.util.Scanner;

public class skipping

{

public static void main(String []args)

{

int m,n,p;

Scanner s=new Scanner(System.in);

System.out.println("enter m and n value:");

m=s.nextInt();

n=s.nextInt();

System.out.println("enter p value:");

p=s.nextInt();

for(int i=m;i<=n;i+=p)

{

System.out.println(i);

}

}

}

Triangle(1 11 121 ):

import java.util.Scanner;

class ones

{

public static void main(String[] args)

{

int n = 5, n = 1;

for(int i = 0; i < rows; i++)

{

for(int j = 1; j < n - i; j++)

{

System.out.print(" ");

}

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

{

if (j == 0 || i == 0)

m = 1;

else

m= m \* (i - j + 1) / j;

System.out.print(" ", m);

}

System.out.println();

}

}

}

Right angle triangle:

import java.io.\*;

import java.util.\*;

public class pattern

{

public static void main(String args[])

{

int n,i,j;

Scanner s = new Scanner(System.in);

System.out.println("enter n value:");

n= s.nextInt();

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

{

for(j=2\*(n-1);j>=0;j--)

{

System.out.print(" ");

}

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

{

System.out.print("\* ");

}

System.out.println();

}

}

}

Prime and composite count:

import java.util.Scanner;

public class prime

{

public static void main(String []args)

{

Scanner s=new Scanner(System.in);

System.out.println("enter n value:");

int n=s.nextInt();

int a[]=new int[n];

System.out.println("enter numbers:");

for(int i=0;i<n;i++)

{

a[i]=s.nextInt();

}

int prime=0,composite=0;

for(int i=0;i<n;i++)

{

int pri=0;

for(int j=1;j<=100;j++)

{

if(a[i]%j==0)

pri+=1;

}

if(pri==2)

prime+=1;

else

composite+=1;

}

System.out.println("composite are:"+composite);

System.out.println("\nprime is:"+prime);

}

}

Mth max and nth min ,sum,diff:

import java.util.\*;

class max

{

public static void main(String[] args)

{

try

{

Scanner input = new Scanner(System.in);

System.out.print("enter the size of the array:- ");

int size = input.nextInt();

int[] arr = new int[size];

System.out.println("enter the values in the array:- ");

for(int i=0;i<size;i++)

{

arr[i] = input.nextInt();

}

Arrays.sort(arr);

System.out.print("enter the Mth max number:- ");

int m = input.nextInt();

System.out.print("enter the Nth min number:- ");

int n = input.nextInt();

int max=0,min=0;

if(m==0)

System.out.println("please enter the valid input");

else

{

max = arr[arr.length-m];

min = arr[n-1];

System.out.println("the max is "+max);

System.out.println("the min is "+min);

System.out.println("the sum is: "+(max+min));

System.out.println("the min is: "+(max-min));

}

}

catch(Exception e)

{

System.out.println("Enter only numbers");

}

}

Atm notes:

import java.io.\*;

import java.util.\*;

public class atm

{

public static void main(String [] ags)

{

Scanner s=new Scanner(System.in);

int arr[]={100,200,500,2000};

System.out.println("enter 1st denomination");

int a=s.nextInt();

System.out.println("enter no of notes");

int a1=s.nextInt();

System.out.println("enter 2nd denomination");

int b=s.nextInt();

System.out.println("enter no of notes");

int b1=s.nextInt();

System.out.println("enter 3rd denomination");

int c=s.nextInt();

System.out.println("enter no of notes");

int c1=s.nextInt();

System.out.println("enter 4th denomination");

int d=s.nextInt();

System.out.println("enter no of notes");

int d1=s.nextInt();

if(a==100||a==200||a==500||a==2000 && b==100||b==200||b==500||b==2000 && c==100||c==200||c==500||c==2000 && d==100||d==200||d==500||d==2000)

{

int e=a\*a1+b\*b1+c\*c1+d\*d1;

System.out.println("total withdrawl in ATM is:"+e);

}

else

{

System.out.println("enter the correct denomination:");

}

}

}

Palindrome(string&num):

import java.util.Scanner;

public class palindrome

{

public static void main(String [] args)

{

int n,rev=0,rem,choice;

String s;

String b=" ";

System.out.println("enter case u want:");

Scanner p=new Scanner(System.in);

choice=p.nextInt();

switch(choice)

{

case 1:

{

System.out.println("enter number:");

n=p.nextInt();

int d1=n;

while(n!=0)

{

rem=n%10;

rev=rev\*10+rem;

n/=10;

}

if(d1==rev)

{

System.out.println("palindrome");

}

else

{

System.out.println("Not");

}

break;

}

case 2:

{

System.out.println("enter string:");

Scanner p1=new Scanner(System.in);

s=p1.nextLine();

for(int i=s.length()-1;i>=0;i--)

{

b+=s.charAt(i);

//}

if(s.equals(b))

{

System.out.println("palindrome");

}

else

{

System.out.println("Not");

}

}

break;

}

default:

{

System.out.println("Invalid");

}

}

}

}

`