**1.Welcome to Programming world**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int i;

for(i=1;i<=10;i++)

{

System.out.println("Welcome to programming world");

}

}

}

**2.1500 times**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int i;

for(i=1;i<=1500;i++)

{

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

}

}

}

**3.1 to 20 even no**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int i;

for(i=1;i<=20;i++)

{

if(i%2==0)

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

}

}

}

**4.1 to 20 no**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int i;

for(i=1;i<=20;i++)

{

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

}

}

}

**5.1 to 1000 print(gap 20)**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int i;

for(i=100;i<=1000;i=i+20)

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

}

}

**6.20to 1 no**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int i;

for(i=20;i>=1;i--)

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

}

}

**7.Print 1000 to 100**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int i;

for(i=1000;i>=100;i=i-10)

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

}

}

**8.Sum upto 15**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int i,sum=0;

for(i=1;i<=15;i++)

{

sum=sum+i;

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

}

}

}

**9.Odd no**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int i;

for(i=1;i<=20;i=i+2)

{

System.out.print(" "+i);

}

}

}

**10.Sum upto n for even no**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int n,sum=0,i;

Scanner sc= new Scanner(System.in);

System.out.println("Enter a number:");

n=sc.nextInt();

for(i=2;i<=n;i=i+2)

{

sum=sum+i;

}

System.out.print("Sum is "+sum);

}

}

**11.Sum upto n for odd no**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int n,sum=0,i;

Scanner sc= new Scanner(System.in);

System.out.println("Enter a number:");

n=sc.nextInt();

for(i=1;i<=n;i=i+2)

{

sum=sum+i;

}

System.out.print("Sum is "+sum);

}

}

**12.x to y sum**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int i,x,y,sum=0;

Scanner sc=new Scanner(System.in);

System.out.println("Enter a value of x:");

x=sc.nextInt();

System.out.println("enter a value of y:");

y=sc.nextInt();

if(x<y)

{

for(i=x;i<=y;i++)

{

sum=sum+i;

}

}

else

{

for(i=y;i<=x;i++)

{

sum=sum+i;

}

}

System.out.println("Sum is "+sum);

}

**13.Accept 1 character & n fro user**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

char ch;

int i,n;

Scanner sc=new Scanner(System.in);

System.out.println("Enter a character:");

ch= sc.next().charAt(0);

System.out.println("Enter a number:");

n= sc. nextInt();

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

{

System.out.print(" "+(ch++));

}

}

}

}

**14.**

import java.util.\*;

public class Main

{

public static void main(String[] args)

{

int n,i;

Scanner sc=new Scanner(System.in);

System.out.println("Enter a number:");

n=sc.nextInt();

for(i=1;i<=(n/2);i++)

{

if(n%i==0)

{

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

}

}

}

}

**15.Pronic number**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int n,i,flag=0;

Scanner sc= new Scanner(System.in);

System.out.println("Enter a number:");

n=sc.nextInt();

for(i=1;i<=n/2;i++)

{

if(n==(i\*(i+1)))

{

flag=1;

break;

}

}

if(flag==1)

{

System.out.println("Pronic");

}

else

{

System.out.println("Not pronic");

}

}

}

**16**.

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int n,flag=0,i;

Scanner sc=new Scanner(System.in);

System.out.println("enter a no");

n=sc.nextInt();

for(i=2;i<=n/2;i++)

{

if(n%i==0)

{

flag=1;

break;

}

}

if(flag==0)

{

System.out.println("prime number");

}

else

{

System.out.println("not prime number");

}

}

}

**17.**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int n,flag=0,i;

Scanner sc=new Scanner(System.in);

System.out.println("enter a no");

n=sc.nextInt();

for(i=2;i<=n/3;i++)

{

if(7%3==0)

{

flag=1;

break;

}

}

if(flag==0)

{

System.out.println("prime number");

}

else

{

System.out.println("not prime number");

}

}

}

**18.Perfect number**

import java.util.\*;

public class Main

{

public static void main(String [] args)

{

int n,flag=0,i,sum;

Scanner sc=new Scanner(System.in);

System.out.println("enter a no");

n=sc.nextInt();

sum=sc.nextInt();

for(i=1;i<=n/2;i++)

{

if(n%i==0)

{

sum=sum+i;

}

}

if(sum==n)

{

System.out.println("perfect");

}

else

System.out.println("not perfect");

}

}

**19.Fibonacci**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int n,f1=0,f2=1,f3,i;

Scanner sc=new Scanner(System.in);

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

n=sc.nextInt();

if(n<=0)

{

System.out.println("invalid i/p");

}

else if(n==1)

{

System.out.println(""+f1);

}

else

{

System.out.println(f1+""+f2);

for(i=3;i<=n;i++)

{

f3=f1+f2;

f1=f2+f2;

System.out.println(""+f3);

f1=f2;

f2=f3;

}

}

}

}

**20.GCD & LCM**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int a,b,n,gcd,lcm,i;

Scanner sc=new Scanner(System.in);

System.out.println("enter a no");

a=sc.nextInt();

b=sc.nextInt();

if(a<b)

n=a;

else

n=b;

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

{

if(a%1==0 && b%1==0)

{

gcd=i;

}

}

lcm=(a\*b);

gcd=(a\*b);

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

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

}

}

**21.Sum=1x+2x+3x+4x+\_\_\_+nx**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int x,n,sum=0,i;

Scanner sc=new Scanner(System.in);

System.out.println("enter a no");

n=sc.nextInt();

x=sc.nextInt();

System.out.println("enter a value of x:");

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

{

sum=sum+(i\*x);

}

System.out.println("sum="+sum);

}

}

**22.**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int n,i,sum=0;

Scanner sc=new Scanner(System.in);

System.out.println("enter a no");

n=sc.nextInt();

for(i=1;i<=n;i=i+2)

{

sum=sum+i;

}

{

System.out.println("sum="+sum);

}

}

}

**23**.

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int n,i,sum=0;

Scanner sc=new Scanner(System.in);

System.out.println("enter a no");

n=sc.nextInt();

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

{

sum=sum+(i\*i);

}

{

System.out.println("sum="+sum);

}

}

}

**24.**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int n,i,sum=0;

Scanner sc=new Scanner(System.in);

System.out.println("enter a no");

n=sc.nextInt();

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

{

sum=sum+(i\*i\*i);

}

{

System.out.println("sum="+sum);

}

}

}

**25.**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int n,i;

double sum=0;

Scanner sc=new Scanner(System.in);

System.out.println("enter a no");

n=sc.nextInt();

for(i=1;i<=n;i+=2)

{

sum=sum+(1.0/i);

}

{

System.out.println("sum="+sum);

}

}

}

**26.Factorial**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int i,n,f1=1;

Scanner sc=new Scanner(System.in);

System.out.println("enter a no");

n=sc.nextInt();

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

{

f1=f1\*i;

}

System.out.println("factorial="+f1);

}

}

**27.Multiplication table(2)**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int n,f1=1,i;

Scanner sc=new Scanner(System.in);

System.out.println("enter a no");

n=sc.nextInt();

for(i=1;i<=10;i++)

{

System.out.println(n+"\*"+i+"="+f1);

}

}

}

**28.Mul table without using \***

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int n,f1=0,i;

Scanner sc=new Scanner(System.in);

System.out.println("enter a no");

n=sc.nextInt();

for(i=1;i<=10;i++)

{

f1=f1+n;

System.out.println(f1);

}

}

}

**29.Power-x^n**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int n,f1=1,i,x;

Scanner sc=new Scanner(System.in);

System.out.println("enter a no");

n=sc.nextInt();

x=sc.nextInt();

{

System.out.println("enter a value of x:");

}

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

{

f1=f1\*x;

System.out.println(n+"power of "+x +"is "+f1);

}

}

}

**30.**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int i,f1=0;

for(i=1;i<=99;i++)

{

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

f1++;

if(f1==5)

{

System.out.println();

f1=0;

}

}

}

}

**31.**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

System.out.println("no divisible by 3 & 7 from 1 to 100 are:");

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

{

if(i%3==0 && i%7==0)

{

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

}

}

}

}

**32.n^n**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int n,i,f1=1;

Scanner sc=new Scanner(System.in);

System.out.println("enter a no");

n=sc.nextInt();

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

{

f1=f1\*n;

}

System.out.println(n+"power of"+n +" is "+f1);

}

}