1.

import java.util.\*;

class Main{

public static void main(String[] args) {

int i;

Scanner sc=new Scanner (System.in);

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

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

}

}

2.

import java.util.\*;

class Main{

public static void main(String[] args) {

int i;

Scanner sc=new Scanner (System.in);

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

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

}

}

3.

import java.util.\*;

class Main{

public static void main(String[] args) {

int i;

Scanner sc=new Scanner (System.in);

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

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

}

}

3.1

import java.util.\*;

class Main{

public static void main(String[] args) {

int i;

Scanner sc=new Scanner (System.in);

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

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

}

}

4.

import java.util.\*;

class Main{

public static void main(String[] args) {

int i;

Scanner sc=new Scanner (System.in);

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

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

}

}

5.

import java.util.\*;

class Main{

public static void main(String[] args) {

int i;

Scanner sc=new Scanner (System.in);

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

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

}

}

6.

import java.util.\*;

class Main{

public static void main(String[] args) {

int i;

Scanner sc=new Scanner (System.in);

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

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

}

}

7.

import java.util.\*;

class Main{

public static void main(String[] args) {

int i;

Scanner sc=new Scanner (System.in);

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

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

}

}

8.

import java.util.\*;

class Main{

public static void main(String[] args) {

int i, sum=0;

Scanner sc=new Scanner (System.in);

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

sum=sum+i;

}

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

}

}

9.

import java.util.\*;

class Main {

public static void main(String[] args) {

int x,y,sum=0,i;

Scanner sc=new Scanner(System.in);

System.out.println("Enter NO");

x=sc.nextInt();

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="+sum);

}

}

10.

import java.util.\*;

class Main {

public static void main(String[] args) {

int n,i;

Scanner sc=new Scanner(System.in);

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

n=sc.nextInt();

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

{

if(n%i==0)

{

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

}

}

}

}

11.

import java.util.\*;

class Main {

public static void main(String[] args) {

char n,ch,i;

Scanner sc=new Scanner(System.in);

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

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

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

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

{

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

}

}

}

12.promic or not

import java.util.\*;

class Main {

public static void main(String[] args) {

int n,flag=0,i;

Scanner sc=new Scanner(System.in);

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

n=sc.nextInt();

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

{

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

flag=1;break;

}

}

if(flag==1){

System.out.println("promic");

}

else{

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

}

}

}

13.

import java.util.\*;

class Main {

public static void main(String[] args) {

int n,sum=0,i;

Scanner sc=new Scanner(System. in);

System.out.println("Enter no");

n=sc.nextInt();

sum=sc.nextInt();

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

sum=sum+i;

}

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

}

}

14.

import java.util.\*;

class Main {

public static void main(String[] args) {

int x,y,i,sum=0;

Scanner sc=new Scanner(System. in);

System.out.println("Enter no");

x=sc.nextInt();

y=sc.nextInt();

if(x>y){

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

}

else{

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

}

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

{

sum=sum+i;

}

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

}

}

15.

import java.util.\*;

class Main {

public static void main(String[] args) {

int n,sum=0,i;

Scanner sc=new Scanner(System. in);

System.out.println("Enter no");

n=sc.nextInt();

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

sum=sum+i;

}

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

}

}

1. Perfect no.

import java.util.\*;

class HelloWorld {

public static void main(String[] args) {

int n, flag=0, sum=0,i;

Scanner sc=new Scanner(System.in);

n=sc.nextInt();

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

{

if(n%i ==0)

{

sum=sum+i;

}

}

if(sum ==n)

{

System.out.println("perfect no.");

}

else

{

System.out.println("Not perfect no.");

}

}

}

1. Fibonacci series

import java.util.\*;

class HelloWorld {

public static void main(String[] args) {

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

Scanner sc=new Scanner(System.in);

n=sc.nextInt();

if(n<=0)

{

System.out.print("Invalid input");

}

else if(n==1)

{

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

}

else

{

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

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

{

f3=f1+f2;

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

}

//f1=f2;

//f2=f3;

}

}

}

18.Gcd , Lcm

import java.util.\*;

class HelloWorld {

public static void main(String[] args) {

int a,b,n,gcd=0,lcm,i;

Scanner sc=new Scanner(System.in);

a=sc.nextInt();

b=sc.nextInt();

if(a<b)

{

n=a;

}

else

{

n=b;

}

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

{

if(a%i==0 && b%i==0){

gcd=i;

}

}

lcm=(a\*b)/gcd;

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

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

}

}

19.Sum = 1x+2x+3x+4x+……+nx

import java.util.\*;

class HelloWorld {

public static void main(String[] args) {

int x,n,sum=0,i;

Scanner sc=new Scanner(System.in);

x=sc.nextInt();

n=sc.nextInt();

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

{

sum=sum+(i\*x);

}

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

}

}

20.Sum= 1x+3x+5x+7x+……n

import java.util.\*;

class HelloWorld {

public static void main(String[] args) {

int x,n,sum=0,i;

Scanner sc=new Scanner(System.in);

x=sc.nextInt();

n=sc.nextInt();

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

{

sum=sum+(i\*x);

}

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

}

}

21. Sum = 1+3+5+7+9

import java.util.\*;

class HelloWorld {

public static void main(String[] args) {

int n,sum=0,i;

Scanner sc=new Scanner(System.in);

// x=sc.nextInt();

n=sc.nextInt();

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

{

sum=sum+(i\*n);

}

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

}

}

22.Sum= 1+4+9+16+…n

import java.util.\*;

class HelloWorld {

public static void main(String[] args) {

int n,sum=0,i;

Scanner sc=new Scanner(System.in);

// x=sc.nextInt();

n=sc.nextInt();

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

{

sum=sum+(i\*i);

}

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

}

}

23.1+9+27+64….n

import java.util.\*;

class HelloWorld {

public static void main(String[] args) {

int n,sum=0,i;

Scanner sc=new Scanner(System.in);

// x=sc.nextInt();

n=sc.nextInt();

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

{

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

}

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

}

}

24.Sum= 1/3+1/5+1/7+…..

import java.util.\*;

class Main {

public static void main(String[] args) {

int n,sum=0,i;

Scanner sc=new Scanner(System.in);

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

n=sc.nextInt();

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

{

sum=sum+(1/1);

}

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

}

}

Sum=sum+(1/1);

25.(interview)

import java.util.\*;

class HelloWorld {

public static void main(String[] args) {

int n,f1=1,i;

Scanner sc=new Scanner(System.in);

n=sc.nextInt();

f1=sc.nextInt();

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

{

f1=f1\*i;

}

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

}

}

26 Multiplication

import java.util.\*;

class HelloWorld {

public static void main(String[] args) {

int n,f1=1,i;

Scanner sc=new Scanner(System.in);

n=sc.nextInt();

// f1=sc.nextInt();

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

{

f1=n \* i;

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

}

}

}

27.Multiplication table without using \* operator

import java.util.\*;

class HelloWorld {

public static void main(String[] args) {

int n,f1=1,i;

Scanner sc=new Scanner(System.in);

n=sc.nextInt();

// f1=sc.nextInt();

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

{

f1=f1+n;

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

}

}

}

27.

import java.util.\*;

class Main {

public static void main(String[] args) {

int n,f=1,i;

Scanner sc=new Scanner(System.in);

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

n=sc.nextInt();

for(i=n;i>=1;i--){

f=f\*i;

}

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

}

}

28.

import java.util.\*;

class Main {

public static void main(String[] args) {

int n,f1=1,i;

Scanner sc=new Scanner(System.in);

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

n=sc.nextInt();

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

f1=n\*i;

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

}

}

}

29.

import java.util.\*;

class Main{

public static void main(String[] args) {

int bace,exponent,i,power=1;

Scanner sc=new Scanner(System.in);

System.out.println("enterbace and exponent");

bace=sc.nextInt();

exponent=sc.nextInt();

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

{

power=power\*bace;

}

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

}

}

30.

import java.util.\*;

class Min {

public static void main(String[] args) {

int i,n;

Scanner sc=new Scanner(System.in);

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

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

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

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

}

}

}

}

31.

import java.util.\*;

class Main {

public static void main(String[] args) {

int f=0;

Scanner sc=new Scanner(System.in);

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

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

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

f++;

if (f== 5) {

System.out.println();

f= 0;

}

}

}

}

32.

import java.util.\*;

class Main {

public static void main(String[] args)

{

int i,n,power=1;

Scanner sc=new Scanner(System.in);

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

n=sc.nextInt();

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

{

power \*=n;

}

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

}

}