For Loop Example:

1)using for loop print 1 to 10 number.

import java.util.\*;

public class forloop

{

public static void main(String[] args)

{

int i;

Scanner sc=new Scanner(System.in);

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

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

{

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

}

}

}

2)print 1 to 100 number (into 5 gap).

import java.util.\*;

public class forloop

{

public static void main(String[] args)

{

int i;

Scanner sc=new Scanner(System.in);

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

for(i=1; i<=100; i=i+5)

{

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

}

System.out.println();

}

}

3)print 10 to 1 number.

import java.util.\*;

public class forloop

{

public static void main(String[] args)

{

int i;

Scanner sc=new Scanner(System.in);

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

for(i=10; i>=1; i--)

{

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

}

System.out.println();

}

}

4)print 1 to 1000 number into 100 gap.

import java.util.\*;

public class forloop

{

public static void main(String[] args)

{

int i;

Scanner sc=new Scanner(System.in);

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

for(i=1; i<=1000; i=i+100)

{

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

}

}

}

5)print 100 to 1 number.

import java.util.\*;

public class forloop

{

public static void main(String[] args)

{

int i;

Scanner sc=new Scanner(System.in);

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

for(i=100; i>=1; i--)

{

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

}

}

}

6)print upto even number 20.

import java.util.\*;

public class forloop

{

public static void main(String[] args)

{

int i,n;

Scanner sc=new Scanner(System.in);

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

n=sc.nextInt();

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

{

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

}

}

}

7)print odd number.

import java.util.\*;

public class forloop

{

public static void main(String[] args)

{

int i,n;

Scanner sc=new Scanner(System.in);

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

n=sc.nextInt();

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

{

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

}

}

}

8)print upto 1 to 10 number of sum.

import java.util.\*;

public class forloop

{

public static void main(String[] args)

{

int i,n,sum=0;

Scanner sc=new Scanner(System.in);

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

n=sc.nextInt();

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

{

sum=sum+i;

}

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

}

}

9)print n times welcome message.

import java.util.\*;

public class forloop

{

public static void main(String[] args)

{

int i,n;

Scanner sc=new Scanner(System.in);

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

n=sc.nextInt();

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

{

System.out.println("welcome");

}

}

}

10)Accept x and y number from user print sum between x and y number.

i/p: x,y

o/p:sum

import java.util.\*;

public class forloop

{

public static void main(String[] args)

{

int x,y,sum=0,i;

Scanner sc=new Scanner(System.in);

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

x=sc.nextInt();

y=sc.nextInt();

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

{

sum=sum+i;

}

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

}

}

11)X^n -5^3=5\*5\*5.

import java.util.\*;

public class forloop

{

public static void main(String[] args)

{

int i,f1=1,n,x;

Scanner sc=new Scanner(System.in);

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

x=sc.nextInt();

n=sc.nextInt();

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

{

f1=f1\*x;

}

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

}

}

12) print multiplication table using (\*) operator.

import java.util.\*;

public class forloop

{

public static void main(String[] args)

{

int i,f1=1,n;

Scanner sc=new Scanner(System.in);

System.out.println("enter 1 number");

n=sc.nextInt();

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

{

f1=n\*1;

}

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

}

}

13)factorial of given number (5!=5\*4\*3\*2\*1)

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 1 number");

n=sc.nextInt();

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

{

f1=f1\*i;

}

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

}

}

14)x^n=5^4

i/p:x,n f1=1

import java.util.\*;

public class forloop

{

public static void main(String[] args)

{

int n,i,x,f1=1;

Scanner sc=new Scanner(System.in);

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

n=sc.nextInt();

x=sc.nextInt();

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

{

f1=f1\*x;

}

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

}

}

15)write a program to accept 1 character from user and also accept range(n) from user& display next n character.

import java.util.\*;

public class sub

{

public static void main(String[] args)

{

int n;

char ch;

Scanner sc=new Scanner(System.in);

System.out.println("Enter character and range");

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

n=sc.nextInt();

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

{

System.out.println("\t"+(ch++));

}

}

}

16)Accept 1 no from user & display its factor.

import java.util.\*;

public class sub

{

public static void main(String[] args)

{

int n,i,sum=0;

Scanner sc=new Scanner(System.in);

System.out.println("Enter 1 number");

n=sc.nextInt();

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

{

if(n%i==0)

{

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

}

}

}

}

17)sum from x and y.

import java.util.\*;

public class sum

{

public static void main(String[] args)

{

int x,y,sum=0,i;

Scanner sc=new Scanner(System.in);

System.out.println("Enter 1 number");

x=sc.nextInt();

y=sc.nextInt();

if(x<y)

{

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

{

sum=sum+i;

}

}

else

{

for(i=x; i>=y; i--)

{

sum=sum+i;

}

}

}

}

18)Sum of number.

import java.util.\*;

public class Main

{

public static void main(String[] args)

{

int i,n,sum=0;

Scanner sc=new Scanner(System.in);

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

n=sc.nextInt();

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

{

sum=sum+i;

}

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

}

}

19)odd no

import java.util.\*;

public class Main

{

public static void main(String[] args)

{

int i,n,sum=0;

Scanner sc=new Scanner(System.in);

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

n=sc.nextInt();

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

{

sum=sum+i;

}

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

}

}

20) Pronic or not:

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 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("it is pronic");

}

else

{

System.out.println("it is not pronic");

}

}

}

21) Prime or not:

import java.util.\*;

class abc

{

public static void main(String[] args)

{

int i,n,div=0;

Scanner sc=new Scanner(System.in);

System.out.println("enter 1 number");

n=sc.nextInt();

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

{

if(n%i==0)

{

div=1;

break;

}

}

if(div==1)

{

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

}

else

{

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

}

}

}

22) perfect or not

import java.util.\*;

class abc

{

public static void main(String[] args)

{

int i,n,sum=0;

Scanner sc=new Scanner(System.in);

System.out.println("enter 1 number");

n=sc.nextInt();

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

{

if(n%i==0)

{

sum=sum+i;

}

}

if(sum==n)

{

System.out.println("number is perfect");

}

else

{

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

}

}

}

23)Fibonacci series.

import java.util.\*;

class fibo

{

public static void main(String[] args)

{

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

Scanner sc=new Scanner(System.in);

System.out.println("enter 1 number");

n=sc.nextInt();

if(n<=0)

{

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

}

else if(n==1)

{

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

}

else

{

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

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

{

f3=f1+f2;

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

f1=f2;

f2=f3;

}

}

}

}

24)GCD AND LCM.

public class Main

{

public static void main(String[] args)

{

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

Scanner sc=new Scanner(System.in);

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

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 lcm");

}

}