**1.Armstrong number program**

import java.util.Scanner;

import java.lang.Math;

public class ArmstrongNumber {

public static void main(String[] args) {

int n,m,temp,sum=0;

Scanner a=new Scanner(System.in);

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

n=a.nextInt();

temp=n;

while(n>0)

{

m=n%10;

sum=(int) (sum+Math.pow(m,3));

n=n/10;

}

if(temp==sum)

{

System.out.println("it is armstrong number");

}

else

{

System.out.println("it is not armstrong number");

}

}

}

Output:

Graphical user interface, text, application

Description automatically generated

**2.Even or odd program**

**import** java.util.Scanner;

**public** **class** EvenOrOdd {

**public** **static** **void** main(String[] args) {

**int** n;

System.***out***.println("Enter the number=");

Scanner sc=**new** Scanner(System.***in***);

n=sc.nextInt();

**if**(n%2==0)

{

System.***out***.println("It is even" );

}

**else**

{

System.***out***.println( "It is odd" );

}

}

}

**3.Swapping of two number**

**import** java.util.Scanner;

**public** **class** Swapping {

**public** **static** **void** main(String[] args) {

**int** a,b,temp;

Scanner sc=**new** Scanner(System.***in***);

System.***out***.println("Enter a=");

a=sc.nextInt();

System.***out***.println("Enter b=");

b=sc.nextInt();

System.***out***.println("Before Swapping");

System.***out***.println("a="+a);

System.***out***.println("b="+b);

temp=a;

a=b;

b=temp;

System.***out***.println("After Swapping");

System.***out***.println("a="+a);

System.***out***.println("b="+b);

}

}

**4.Factorial**

import java.util.Scanner;

public class Factorial {

public static void main(String[] args) {

int n,fact=1,i;

Scanner f= new Scanner(System.in);

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

n=f.nextInt();

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

{

fact=fact\*i;

}

System.out.println("Factorial is "+fact);

}

}

**5.Fibonacci number**

mport java.util.Scanner;

public class Fibonacci {

public static void main(String[] args) {

int n,t1=0,t2=1;

Scanner sc=new Scanner(System.in);

System.out.println("Enter the value of n=");

n=sc.nextInt();

while(t1<=n)

{

System.out.print(t1+" " );

int sum=t1+t2;

t1=t2;

t2=sum;

}

}

}