### **1) Program of factorial number.**

class Operation{

static int fact(int number){

int f=1;

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

f=f\*i;

}

return f;

}

public static void main(String args[]){

int result=fact(5);

System.out.println("Factorial of 5="+result);

}

}

### **2) Program of fibonacci series.**

class Fabnoci{

public static void main(String...args)

{

int n=10,i,f0=1,f1=1,f2=0;

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

{

f2=f0+f1;

f0=f1;

f1=f2;

f2=f0;

System.out.println(f2);

}

}

}

### **3) Program of armstrong number.**

class ArmStrong{

public static void main(String...args)

{

int n=153,c=0,a,d;

d=n;

while(n>0)

{

a=n%10;

n=n/10;

c=c+(a\*a\*a);

}

if(d==c)

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

else

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

}

}

### **4) Program of checking palindrome number.**

class Palindrome

{

public static void main( String...args)

{

int a=242;

int n=a,b=a,rev=0;

while(n>0)

{

a=n%10;

rev=rev\*10+a;

n=n/10;

}

if(rev==b)

System.out.println("it is Palindrome");

else

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

}

}

### **5) Program of swapping two numbers without using third variable.**

class SwapTwoNumbers{

public static void main(String args[]){

int a=40,b=5;

a=a\*b;

b=a/b;

a=a/b;

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

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

}

}

### **6) Program of factorial number by recursion**

class FactRecursion{

static int fact(int n){

if(n==1)

return 1;

return n\*=fact(n-1);

}

public static void main(String args[]){

int f=fact(5);

System.out.println(f);

}

}

**7)Reading input from user using Scanner class**

import java.util.Scanner;

import java.io.\*;

class Sample {

public static void main(String[] args) {

Scanner myObj = new Scanner(System.in);

System.out.println("Enter name, age and salary:");

String name = myObj.nextLine();

int age = myObj.nextInt();

double salary = myObj.nextDouble();

System.out.println("Name: " + name);

System.out.println("Age: " + age);

System.out.println("Salary: " + salary);

}

}