```java
import java.util.Scanner;

public class BAI1 {
    long n;
    /**
     *
     */
    void input(){
        System.out.println("LE MINH TUAN ");
        System.out.println("Tinh n!");
        Scanner in = new Scanner(System.in);
        do {
            System.out.println("Nhap n > 0");
            n = in.nextLong();

        } while(n == 0 || n < 0);

    }
    void output(){
        System.out.print(n +"! = ");
        for(int i =1; i <= n ; i++)
            System.out.print(i + "*");
            System.out.println( "\b=" + tinhgiaithua(n));

    }
    double tinhgiaithua( long n){
        long s = 1;
        if(n==0 || n == 1){
            return s;
        } else {
```

Terminal (BAI1):

```
Windows PowerShell
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 and improvements! https://aka.ms/PSWindows

PS E:\JAVA CODE OOP>  & 'C:\Program Files\Java
\jdk-18.0.2.1\bin\java.exe' '-agentlib:jdwp=tr
ansport=dt_socket,server=n,suspend=y,address=l
ocalhost:50330' '--enable-preview' '-XX:+ShowC
odeDetailsInExceptionMessages' '-cp' 'C:\Users
\Auroraphtgrp_\AppData\Roaming\Code\User\works
paceStorage\8d8f19afbb1cbc6b7f03973d3a919c39\r
edhat.java\jdt_ws\JAVA CODE OOP_14a20e01\bin'
'BAI1'
LE MINH TUAN
Tinh n!
Nhap n > 0
5
5! = 1*2*3*4*5=120.0
PS E:\JAVA CODE OOP>
```

```java
import java.util.Scanner;

public class LOOP {
    long N;
    Float S;

    void Input() {
        Scanner ip = new Scanner(System.in);
        System.out.println("LE MINH TUAN");
        System.out.println("Tinh S(N) = 1 - 1/2 + 1/3 - 1/4 +...
        do {
            System.out.println("Nhap N>0: ");
            N = ip.nextLong();
        } while (N <= 0);
    }

    double SUM(long N) {
        double S = 0;
        for (int i = 1; i <= N; i++) {
            S += 1.0 / i;
            S = S *(-1.0);
        }
        return S;
    }

    void Output() {
        System.out.print("S(" + N + ") = 1 - ");
        for (int i = 2; i <= N - 1; i+=2) {
            System.out.print("1 / " + i + " + ");
            {
```

Terminal (LOOP):

```
Windows PowerShell
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PS E:\JAVA CODE OOP>  & 'C:\Program Files\Java
\jdk-18.0.2.1\bin\java.exe' '-agentlib:jdwp=tr
ansport=dt_socket,server=n,suspend=y,address=l
ocalhost:50666' '--enable-preview' '-XX:+ShowC
odeDetailsInExceptionMessages' '-cp' 'C:\Users
\Auroraphtgrp_\AppData\Roaming\Code\User\works
paceStorage\8d8f19afbb1cbc6b7f03973d3a919c39\r
edhat.java\jdt_ws\JAVA CODE OOP_14a20e01\bin'
'LOOP'
LE MINH TUAN
Tinh S(N) = 1 - 1/2 + 1/3 - 1/4 +...- 1/n
Nhap N>0:
4
S(4) = 1 - 1 / 2 + 1 / 3 - 1 / 4 = 0.5833
PS E:\JAVA CODE OOP>
```

```java
import java.util.Scanner;

public class BAI4 {
    long x, y ;
    void input(){
        System.out.println(x: "LE MINH TUAN");
        System.out.println(x: "Tinh luy thua");
        Scanner in = new Scanner(System.in);
        System.out.println(x: "Nhap co so:");
        x = in.nextLong();
        System.out.println(x: "Nhap so mu : ");
        y = in.nextLong();


    }
    void output(){
        System.out.print(x+"^"+y +"=");
        for(int i = 1; i <= y;i++){
            System.out.print(x+"*");
        }
        System.out.print( "\b =" +  luythuaxy(x, y));


    }
    double luythuaxy(long x, long y){
        long kq = 1;
        for(int i = 0; i < y; i++){
            kq = kq * x;
        }
        return kq;
```

```
edhat.java\jdt_ws\JAVA CODE OOP_14a20e01\bin'
'BAI4'
Phan Tran Thien An
Tinh luy thua
Nhap co so:
PS E:\JAVA CODE OOP>  e:; cd 'e:\JAVA CODE OOP
'; & 'C:\Program Files\Java\jdk-18.0.2.1\bin\j
ava.exe' '-agentlib:jdwp=transport=dt_socket,s
erver=n,suspend=y,address=localhost:50237' '--
enable-preview' '-XX:+ShowCodeDetailsInExcepti
onMessages' '-cp' 'C:\Users\Auroraphtgrp_\AppD
ata\Roaming\Code\User\workspaceStorage\8d8f19a
fbb1cbc6b7f03973d3a919c39\redhat.java\jdt_ws\J
AVA CODE OOP_14a20e01\bin' 'BAI4'
LE MINH TUAN
Tinh luy thua
Nhap co so:
2
Nhap so mu :
4
2^4=2*2*2*2 =16.0
PS E:\JAVA CODE OOP>
```