



```
1  /*Program to find a factorial using menu driven
2   1st question 25 july*/
3
4  import java.util.*;
5  public class Factorial {
6
7      public static void main(String[] args) {
8          Scanner s = new Scanner(System.in);
9          System.out.println("Tarun sai \n Sap =51834698");
10         System.out.println("Welcome to Factorial Program");
11         System.out.println("1.factorial\n2.exit");
12         int choice = s.nextInt();
13         switch(choice){
14             case 1:
15                 System.out.println("enter number for factorial");
16                 int num = s.nextInt();
17                 long factorial = 1;
18                 for(int i = 1; i <= num; ++i)
19                 {
20
21                     factorial *= i;
22                 }
23                 System.out.printf("Factorial of %d = %d", num, factorial);
24                 break;
25             case 2:
26                 System.out.println("thanks");
27                 break;
28             default:
29                 System.out.println("enter 1 and 2 numbers only");
30             }
31         }
32     }
```

× Terminal



```
Tarun sai
Sap =51834698
Welcome to Factorial Program
1.factorial
2.exit
1
enter number for factorial
10
Factorial of 10 = 3628800
Process finished.
```



```
1  /*Program to creat a bank using Interface
2  25th july*/
3  interface Bank
4  {
5      public void getBalance();
6  }
7  class BankA implements Bank
8  {
9      int deposit=100;
10     public void getBalance(){
11         System.out.println("Tarun sai \n SAP=51834698");
12         System.out.println("The amount deposited in Bank A =" + deposit + "$");
13     }
14 }
15 class BankB implements Bank
16 {
17     int deposit=150;
18     public void getBalance(){
19         System.out.println("The amount deposited in BankB=" + deposit + "$");
20     }
21 }
22 class BankC implements Bank
23 {
24     int deposit=200;
25     public void getBalance(){
26         System.out.println("The amount deposited BankC=" + deposit + "$");
27     }
28 }
29 class Balance
30 {
31     public static void main(String args[])
32     {
33         BankA i=new BankA();
34         i.getBalance();
35         BankB j=new BankB();
36         j.getBalance();
37         BankC k=new BankC();
38         k.getBalance();
39     }
40 }
```

× Terminal



```
Tarun sai
SAP=51834698
The amount deposited in Bank A =100$
The amount deposited in BankB=150$
The amount deposited BankC=200$
```

```
Process finished.
```



Saved

```
1  /*Pattern 25 th july*/
2  import java.util.Scanner;
3  class Pattern
4  {
5      public static void main(String args[])
6      {
7          Scanner sc=new Scanner(System.in);
8          System.out.println("Tarun sai \nSAP=51834698");
9          System.out.println("Enter the number of rows : ");
10         int n=sc.nextInt();
11         for(int i=n;i>=1;i--)
12         {
13             for(int j=n;j>i;j--)
14             {
15                 System.out.print(" ");
16             }
17             for(int j=2*i-1;j>=1;j--)
18             {
19                 if(j%2==0)
20                 {
21                     System.out.print("0");
22                 }
23                 else
24                 {
25                     System.out.print("1");
26                 }
27             }
28             System.out.println();
29         }
30     }
31 }
```



Terminal



Tarun sai

SAP=51834698

Enter the number of rows :

4

1010101

10101

101

1

Process finished.

