

```

1  import java.util.Scanner;
2  class FactorialNum
3  {
4      static long factorial(int n)
5      {
6          int fact=1;
7          for(int i=n;i>=1;i--)
8          {
9              fact=fact*i;
10         }
11         return fact;
12     }
13     public static void main(String args[])
14     {
15         System.out.println("Name : O.Jahnavi\nSAP ID : ");
16         Scanner sc=new Scanner(System.in);
17         while(true)
18         {
19             System.out.println("Choose your option\n1. Factorial\n2. Exit\n");
20             int option=sc.nextInt();
21             switch(option)
22             {
23                 case 1 :
24                     System.out.println("Enter a number : ");
25                     int num=sc.nextInt();
26                     System.out.println("Factorial of "+num+" is "+factorial(num));
27                     break;
28                 case 2 :
29                     System.out.println("Exited");
30                     System.exit(0);
31                 default :
32                     System.out.println("Invalid input");
33             }
34         }
35     }
36 }
37
38

```



```
Name : O.Jahnavi
SAP ID : 51834504
Choose your option
1.Find factorial of a number
2.Exit
1
Enter a number :
5
120
Choose your option
1.Find factorial of a number
2.Exit
1
Enter a number :
15
2004310016
Choose your option
1.Find factorial of a number
2.Exit
2
Exited

Process finished.
```



```
1
2
3  e();
4
5  lements Bank
6
7  tBalance()
8
9
10
11
12 lements Bank
13
14 tBalance()
15
16
17
18
19 lements Bank
20
21 tBalance()
22
23
24
25
26
27
28 c void main(String args[])
29
30 .println("Name : O.Jahnavi\nSAP ID : 51834504");
31 BankA();
32 .println("Bank A : $" + a.getBalance());
33 BankB();
34 .println("Bank B : $" + b.getBalance());
35 BankC();
36 .println("Bank C : $" + c.getBalance());
37
38
39
```



Name : O.Jahnavi
SAP ID : 51834504
Bank A : \$100
Bank B : \$150
Bank C : \$200

Process finished.


```
import java.util.Scanner;
class Pattern
{
    public static void main(String args[])
    {
        System.out.println("Name : O.Jahnavi\nSAP ID : 123456789");
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the number of rows");
        int n=sc.nextInt();
        for(int i=n;i>=1;i--)
        {
            for(int j=n;j>i;j--)
            {
                System.out.print(" ");
            }
            for(int j=2*i-1;j>=1;j--)
            {
                if(j%2==0)
                {
                    System.out.print("0");
                }
                else
                {
                    System.out.print("1");
                }
            }
            System.out.println();
        }
    }
}
```

Name : O.Jahnavi

SAP ID : 51834504

Enter the number of rows :

5

101010101

1010101

10101

101

1

Process finished.


```

19 }
20 void PutData()
21 {
22     System.out.print("\n\t" + Id + "\t" + Name
23 }
24 public static void main(String args[])
25 {
26     Scanner sc = new Scanner(System.in);
27     System.out.println("Name : O.Jahnavi\nSAP
28     Main[] M = new Main[100];
29     int i,j;
30     for(i=0;i<10;i++)
31         M[i] = new Main();
32     for(i=0;true;i++)
33     {
34         System.out.println("Choose your option
35         int option=sc.nextInt();
36         switch(option)
37         {
38             case 1 :
39                 System.out.print("\nEnter details
40                 M[i].GetData();
41                 break;
42             case 2 :
43                 System.out.print("\nDetails of En
44                 for(j=0;j<i;j++)
45                     M[i].PutData();
46                 break;
47             case 3 :
48                 System.exit(0);
49             default :
50                 System.out.println("Invalid input
51         }
52     }
53 }
54
55 }
56

```



Name : O.Jahnavi
SAP ID : 51834504
Choose your option
1.Add employee details
2.Display details
3.Exit
1

Enter details of 1 Employee

Enter Employee Id : 123

Enter Employee Name : jahnavi

Enter Employee Age : 19

Enter Employee Salary : 10000

Choose your option
1.Add employee details
2.Display details
3.Exit
3

Process finished.