```java
import java.util.Scanner;
class FactorialNum
{
    static long factorial(int n)
    {
        int fact=1;
        for(int i=n;i>=1;i--)
        {
            fact=fact*i;
        }
        return fact;
    }
    public static void main(String args[])
    {
        System.out.println("Name :V.
Jahnavi\nSAP ID:51834788");
        Scanner sc=new Scanner(System.in);
        while(true)
        {
            System.out.println("Choose your
option\n1.Find factorial of a
number\n2.Exit");
            int option=sc.nextInt();
            switch(option)
            {
                case 1 :
                    System.out.println("Enter a
number : ");
                    int num=sc.nextInt();

System.out.println(FactorialNum.factorial(nu
m));
                    break;
                case 2 :
                    System.out.println("Exited");
                    System.exit(0);
                default :
                    System.out.println("Invalid
input");
            }
        }

    }
}
```

```
× Terminal                          ⬜

Name :V. Jahnavi
SAP ID:51834788
Choose your option
1.Find factorial of a number
2.Exit
6
Invalid input
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
2
Exited

Process finished.
```

```java
interface Bank
{
  int getBalance();
}
class BankA implements Bank
{
  public int getBalance()
  {
    return 100;
  }
}
class BankB implements Bank
{
  public int getBalance()
  {
    return 150;
  }
}
class BankC implements Bank
{
  public int getBalance()
  {
    return 200;
  }
}
class Display
{
  public static void main(String args[])
  {

System.out.println("Name :V.Jahnavi\nSAP ID: 51834788");
    Bank a=new BankA();
    System.out.println("Bank A : $"+a.getBalance());
    Bank b=new BankB();
    System.out.println("Bank B : $"+b.getBalance());
    Bank c=new BankC();
    System.out.println("Bank C : $"+c.getBalance());
  }
}
```

```
Name :V.Jahnavi
SAP ID:51834788
Bank A : $100
Bank B : $150
Bank C : $200

Process finished.
```

```java
import java.util.Scanner;
 class Pattern
 {
    public static void main(String args[])
    {
        System.out.println("Name :V.
Jahnavi\nSAP ID:51834788");
        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 :V. Jahnavi
SAP ID:51834788
Enter the number of rows :
5
101010101
 1010101
  10101
   101
    1


Process finished.
```