

1st Question :

```
← Factorial.java → ···
Saved

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        Scanner sc=new Scanner(System.in);
16        System.out.println("Host name : M.Likhitha");
17        while(true)
18        {
19            System.out.println("Choose your option\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(FactorialNum.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 }
```



Edit with WPS Office

Out put Screen :

```
x Terminal

Host name : M.Likhitha
Sap id : 51834624
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.
```



Edit with WPS Office

3rd Question :

```
← Bank.java 🔒 Saved → ⋮

1 interface Bank
2 {
3     int getBalance();
4 }
5 class BankA implements Bank
6 {
7     public int getBalance()
8     {
9         return 100;
10    }
11 }
12 class BankB implements Bank
13 {
14     public int getBalance()
15     {
16         return 150;
17     }
18 }
19 class BankC implements Bank
20 {
21     public int getBalance()
22     {
23         return 200;
24     }
25 }
26 class Display
27 {
28     public static void main(String args[])
29     {
30         System.out.println("Host name : M.Likhith");
31         Bank a=new BankA();
32         System.out.println("Bank A : "+a.getBalance());
33         Bank b=new BankB();
34         System.out.println("Bank B : "+b.getBalance());
35         Bank c=new BankC();
36         System.out.println("Bank C : "+c.getBalance());
37     }
38 }
```



Edit with WPS Office

Output Screen:

```
x      Terminal

Host name : M.Likhitha
Sap id : 51834624

Bank A : $100
Bank B : $150
Bank C : $200

Process finished.
```



Edit with WPS Office

4th Question :

```
PatterN.java  Saved
```

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



Edit with WPS Office

Output screen :

```
x      Terminal

Host name: M.Likhitha
sap id : 51834624
Enter the number of rows :
4
1010101
10101
101
1

Process finished.
```



Edit with WPS Office

5th Question :

```
← EmpDet.java 🔒 → ⋮
Saved

1 import java.util.Scanner;
2
3 public class Main
4 {
5     int Id;
6     String Name;
7     int Age;
8     long Salary;
9     int PhoneNum;
10    void GetData()
11    {
12        Scanner sc = new Scanner(System.in);
13
14        System.out.print("\n\tEnter Employee Id : ");
15        Id = Integer.parseInt(sc.nextLine());
16        System.out.print("\n\tEnter Employee Name : ");
17        Name = sc.nextLine();
18        System.out.print("\n\tEnter Employee Age : ");
19        Age = Integer.parseInt(sc.nextLine());
20        System.out.print("\n\tEnter Employee Salary : ");
21        Salary = Integer.parseInt(sc.nextLine());
22        System.out.print("\n\tEnter Employee phone number : ");
23        PhoneNum = Integer.parseInt(sc.nextLine());
24    }
25    void PutData()
26    {
27        System.out.print("\n\t" + Id + "\t" + Name + "\t");
28    }
29    public static void main(String args[])
30    {
31        System.out.println("Host name : M.Likhitha");
32        Main[] M = new Main[10];
33        int i;
34        for(i=0;i<10;i++)
35            M[i] = new Main();
36        for(i=0;i<10;i++)
37        {
38            System.out.print("\nEnter details : ");
39            M[i].GetData();
40        }
41        System.out.print("\nDetails of Employee : ");
42        for(i=0;i<3;i++)
43            M[i].PutData();
44    }
45    :: Make public 🌐

```



Edit with WPS Office

Out put Screen:

```
x Terminal
Enter details of 8 Employee
Enter Employee Id : 8
Enter Employee Name : lucky
Enter Employee Age : 73
Enter Employee Salary : 90000
Enter Employee phone Number : 96636464
Enter details of 9 Employee
Enter Employee Id : 9
Enter Employee Name : lishv
Enter Employee Age : 27
Enter Employee Salary : 93774
Enter Employee phone Number : 97655478
Enter details of 10 Employee
Enter Employee Id : 10
Enter Employee Name : lsgvdb
Enter Employee Age : 27
Enter Employee Salary : 936642
Enter Employee phone Number : 976363125
Details of Employees
1 Mahesh 21 85000 93758852
2 Likhitha 20 73993 93747747
3 Krishna 23 74000 88302900
```



Edit with WPS Office