

Dakshayani_july_25

1st question and answer

```
FactorialNum.java
Saved

1
2  t java.util.Scanner;
3  s FactorialNum
4
5  atic long factorial(int n)
6
7  int fact=1;
8  for(int i=n;i>=1;i--)
9  {
10     fact=fact*i;
11 }
12 return fact;
13
14 blic static void main(String args[])
15
16 Scanner sc=new Scanner(System.in);
17 System.out.println("Host name:Dakshayani\nSAP ID:51
18 while(true)
19 {
20     System.out.println("Choose your option\n1.Find fa
21     int option=sc.nextInt();
22     switch(option)
23     {
24         case 1 :
25             System.out.println("Enter a number : ");
26             int num=sc.nextInt();
27             System.out.println(FactorialNum.factorial(num)
28             break;
29         case 2 :
30             System.out.println("Exited");
31             System.exit(0);
32         default :
33             System.out.println("Invalid input");
34     }
35 }
36
37
```



```
← FactorialNum.java Saved
× Terminal
Host name:Dakshayani
SAP:ID:51834500
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.
```

3rd question and answer



```

Bank.java
Saved

2  abstract class Bank
3  {
4      abstract int getBalance();
5  }
6  class BankA extends Bank
7  {
8      int deposit=100;
9      int getBalance()
10     {
11         return deposit;
12     }
13 }
14 class BankB extends Bank
15 {
16     int deposit=150;
17     int getBalance()
18     {
19         return deposit;
20     }
21 }
22 class BankC extends Bank
23 {
24     int deposit=200;
25     int getBalance()
26     {
27         return deposit;
28     }
29 }
30 class Main
31 {
32     public static void main(String args[])
33     {
34         System.out.println("Host name:Dakshayani\nSAP ID:");
35         //object for BankA
36         BankA i=new BankA();
37         System.out.println("Balance in BankA: "+i.getBalance());
38         //object for BankB
39         BankB j=new BankB();
40         System.out.println("Balance in BankB: "+j.getBalance());
41         //object for BankC
42         BankC k=new BankC();
43         System.out.println("Balance in BankC: "+k.getBalance());
44     }
45 }

```

```

Bank.java
Saved

Terminal

Host name:Dakshayani
SAP ID:51834500
Balance in BankA: 100
Balance in BankB: 150
Balance in BankC: 200

Process finished.

```

4th question and answer



Edit with WPS Office

← Pattern10.java Saved

```
1
2 import java.util.Scanner;
3 class Patter10
4 {
5     public static void main(String args[])
6     {
7         Scanner sc=new Scanner(System.in);
8         System.out.println("Host name:Dakshayani\nSAP:I
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

Host name:Dakshayani
SAP:ID:51834500
Enter the number of rows :
5
101010101
1010101
10101
101
1

Process finished.

