

```
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        while(true)
17        {
18            System.out.println("name:-G.sravan\nsapid:-5");
19            System.out.println("Choose your option\n1.Fi");
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.factoria);
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 }
```

X Terminal



```
name:-G.sravan
sapid:-51834566
Choose your option
1.Find factorial of a number
2.Exit
1
Enter a number :
4
24
name:-G.sravan
sapid:-51834566
Choose your option
1.Find factorial of a number
2.Exit
```

```
1 abstract class Bank
2 {
3     abstract int getBalance();
4 }
5 class BankA extends Bank
6 {
7     int deposit=20000;
8     int getBalance()
9     {
10         return deposit;
11     }
12 }
13 class BankB extends Bank
14 {
15     int deposit=35000;
16     int getBalance()
17     {
18         return deposit;
19     }
20 }
21 class BankC extends Bank
22 {
23     int deposit=56000;
24     int getBalance()
25     {
26         return deposit;
27     }
28 }
29 class Main
30 {
31     public static void main(String args[])
32     {
33         System.out.println("name:-G.sravan\nSapid:5183456");
34         //object for Bank A
35         BankA i=new BankA();
36         System.out.println("Balance in Bank A: "+i.getBalance());
37
38         //object for Bank B
39         BankB j=new BankB();
40         System.out.println("Balance in Bank B: "+j.getBalance());
41
42         //object for Bank C
43         BankC k=new BankC();
44         System.out.println("Balance in Bank C: "+k.getBalance());
45     }
46 }
```



X Terminal



```
name:-G.sravan  
Sapid:51834566  
Balance in Bank A: 20000  
Balance in Bank B: 35000  
Balance in Bank C: 56000
```

```
Process finished.
```

```
1 t java.util.Scanner;
2 s Pattern
3
4 plic static void main(String args[])
5
6 System.out.println("name:-G.sravan\nSapid:51834566")
7 Scanner sc=new Scanner(System.in);
8 for(int i=4;i>=1;i--)
9 {
10     for(int j=4;j>i;j--)
11     {
12         System.out.print(" ");
13     }
14     for(int j=2*i-1;j>=1;j--)
15     {
16         if(j%2==0)
17         {
18             System.out.print("0");
19         }
20         else
21         {
22             System.out.print("1");
23         }
24     }
25 }
26 System.out.println();
27 }
28
29
```

X Terminal



```
name:-G.sravan  
Sapid:51834566  
1010101  
10101  
101  
1
```

```
Process finished.
```

```
1 import java.util.Scanner;
2
3     public class Main
4     {
5         int Id;
6         String Name;
7         int Age;
8         long Salary;
9
10        void GetData()           // Defining GetData()
11        {
12
13            Scanner sc = new Scanner(System.in);
14
15            System.out.print("\n\tEnter Employee Id");
16            Id = Integer.parseInt(sc.nextLine());
17
18            System.out.print("\n\tEnter Employee Name");
19            Name = sc.nextLine();
20
21            System.out.print("\n\tEnter Employee Age");
22            Age = Integer.parseInt(sc.nextLine());
23
24            System.out.print("\n\tEnter Employee Salary");
25            Salary = Integer.parseInt(sc.nextLine());
26
27        }
28
29        void PutData()           // Defining PutData()
30        {
31            System.out.print("\n\t" + Id + "\t" + Name);
32        }
33
34    public static void main(String args[])
35    {
36
37        System.out.println("name:- G.sravan\nSalary:- 50000");
38        Main[] M = new Main[10];
39        int i;
40
41        for(i=0;i<10;i++)
42            M[i] = new Main(); // Allocating memory
43
44        for(i=0;i<10;i++)
45        {
46            System.out.print("\nEnter details of Employee " + (i+1));
47            M[i].GetData();
48
49            System.out.print("\nEnter details of Employee " + (i+1));
50            M[i].PutData();
51
52        }
53
54    }
55
56}
```

```
16     Id = Integer.parseInt(sc.nextLine());
17
18     System.out.print("\n\tEnter Employee Na-
19     Name = sc.nextLine();
20
21     System.out.print("\n\tEnter Employee Ag-
22     Age = Integer.parseInt(sc.nextLine());
23
24     System.out.print("\n\tEnter Employee Sa-
25     Salary = Integer.parseInt(sc.nextLine());
26
27 }
28
29 void PutData()           // Defining PutDat
30 {
31     System.out.print("\n\t" + Id + "\t" +Na-
32 }
33
34 public static void main(String args[])
35 {
36
37     System.out.println("name:- G.sravan\nS/
38     Main[] M = new Main[10];
39     int i;
40
41     for(i=0;i<10;i++)
42         M[i] = new Main();    // Allocating
43
44     for(i=0;i<10;i++)
45     {
46         System.out.print("\nEnter details o-
47         M[i].GetData();
48     }
49
50     System.out.print("\nDetails of Employee");
51     for(i=0;i<3;i++)
52         M[i].PutData();
53
54     }
55 }
```

X Terminal



name:- G.sravan
SAP ID:51834566

Enter details of 1 Employee

Enter Employee Id : 62733

Enter Employee Name : sravan

Enter Employee Age : 19

Enter Employee Salary : 20000

Enter details of 2 Employee

Enter Employee Id : 3638

Enter Employee Name : arun

Enter Employee Age : 20

Enter Employee Salary : 30000

Enter details of 3 Employee

Enter Employee Id :