

```

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.Factorial\n2.Exit\n3.Invalid");
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

```



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     }
```



```
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  ublic 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
19             System.out.print("0");
20         }
21         else
22         {
23             System.out.print("1");
24         }
25     }
26     System.out.println();
27 }
28
29

```



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:- 100000");
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("\n\tEnter details of employee " + (i+1) + ": ");

```



```

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:- 100000");
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
50         System.out.print("\nDetails of Employee");
51         for(i=0;i<3;i++)
52             M[i].PutData();
53
54     }
55 }

```




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 :
|