

# 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        System.out.println("Name:G.vyshnavi,SAP ID:51834743");
16        Scanner sc=new Scanner(System.in);
17        while(true)
18        {
19            System.out.println("Choose your option\n1.Find factorial of a
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 }
```

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x Terminal



Name:G.vyshnavi,SAP ID:51834743

Choose your option

1.Find factorial of a number

2.Exit

1

Enter a number :

3

6

Choose your option

1.Find factorial of a number

2.Exit

2

Exited

Process finished.



## bank balance.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("Name:G.vyshnavi,SAP ID:51834743");
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 }
```

⋮ Make public





Name:G.vyshnavi,SAP ID:51834743

Bank A : \$100

Bank B : \$150

Bank C : \$200

Process finished.



## patterns 1.java



Saved

```
1 import java.util.Scanner;
2 class Pattern
3 {
4     public static void main(String args[])
5     {
6         System.out.println("Name:G.vyshnavi,SAP ID:51834743");
7         Scanner sc=new Scanner(System.in);
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 }
```

⋮ Make public





Name:G.vyshnavi,SAP ID:51834743

Enter the number of rows :

5

101010101

1010101

10101

101

1

Process finished.



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
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 + "\t" + Age +
32    }
33
34    public static void main(String args[])
35    {
36        System.out.println("Name:G.vyshnavi,SAP ID:51834743");
37        Main[] M = new Main[10];
38    }
39
```

Make public





## detalis.java



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```
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 + "\t" + Age +
32 }
33
34 public static void main(String args[])
35 {
36     System.out.println("Name:G.vyshnavi,SAP ID:51834743");
37     Main[] M = new Main[10];
38     int i;
39
40     for(i=0;i<10;i++)
41         M[i] = new Main(); // Allocating memory to each object
42
43     for(i=0;i<10;i++)
44     {
45         System.out.print("\nEnter details of " + (i+1) + " Employee");
46         M[i].GetData();
47     }
48
49     System.out.print("\nDetails of Employees\n");
50     for(i=0;i<3;i++)
51         M[i].PutData();
52
53 }
54 }
```

⋮ Make public



x Terminal



Name:G.vyshnavi,SAP ID:51834743

Enter details of 1 Employee

Enter Employee Id : 1

Enter Employee Name : vyshu

Enter Employee Age : 20

Enter Employee Salary : 20000

Enter details of 2 Employee

Enter Employee Id : 3

Enter Employee Name : siri

Enter Employee Age : 22

Enter Employee Salary : 30000

Enter details of 3 Employee

Enter Employee Id :