

```
1 public class Main
2 {
3     public static long factorial(int i)
4     {
5         return (i < 1) ? 1 : i * factorial(i - 1);
6     }
7
8     public static void main(String[] args)
9     {
10        System.out.println("Author:B.Vishnu priya\nSAP
11 ID:51834736");
12        int i = 5;
13        System.out.println("The Factorial of " + i + "
14 is " + factorial(i));
15    }
16}
```

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The Factorial of 5 is 120

Process finished.



```
1 abstract class Bank
2 {
3     abstract int getBalance();
4 }
5 class BankA extends Bank
6 {
7     int deposit=100;
8     int getBalance()
9     {
10         return deposit;
11     }
12 }
13 class BankB extends Bank
14 {
15     int deposit=150;
16     int getBalance()
17     {
18         return deposit;
19     }
20 }
21 class BankC extends Bank
22 {
23     int deposit=200;
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("Author:B.Vishnu priya\nSAP
ID:51834736");
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:
");
```

```
5 class BankA extends Bank
6 {
7     int deposit=100;
8     int getBalance()
9     {
10         return deposit;
11     }
12 }
13 class BankB extends Bank
14 {
15     int deposit=150;
16     int getBalance()
17     {
18         return deposit;
19     }
20 }
21 class BankC extends Bank
22 {
23     int deposit=200;
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("Author:B.Vishnu priya\nSAP
ID:51834736");
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 }
```

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Balance in Bank A: 100
Balance in Bank B: 150
Balance in Bank C: 200

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
11    GetData()
12    {
13
14        Scanner sc = new Scanner(System.in);
15
16        System.out.print("\n\tEnter Employee
17 Id : ");
18        Id = Integer.parseInt(sc.nextLine());
19
20        System.out.print("\n\tEnter Employee
21 Name : ");
22        Name = sc.nextLine();
23
24        System.out.print("\n\tEnter Employee
25 Age : ");
26        Age =
27        Integer.parseInt(sc.nextLine());
28
29        System.out.print("\n\tEnter Employee
30 Salary : ");
31        Salary =
32        Integer.parseInt(sc.nextLine());
33
34        void PutData() // Defining
35    PutData()
36    {
37
38        System.out.print("\n\t" + Id + "\t"
39 + Name + "\t" + Age + "\t" + Salary);
40    }
41
42
43        public static void main(String args[])
44    {
45
46        System.out.println("Author:B.Vishnu
47 priya \nSAP ID:519834736");
48    }
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
```

```

19         Name = sc.nextLine();
20
21         System.out.print("\n\tEnter Employee
22 Age : ");
23         Age =
24             Integer.parseInt(sc.nextLine());
25
26         System.out.print("\n\tEnter Employee
27 Salary : ");
28         Salary =
29             Integer.parseInt(sc.nextLine());
30
31     }
32
33     void PutData() // Defining
34 PutData()
35     {
36
37         System.out.print("\n\t" + Id + "\t"
38 +Name + "\t" +Age + "\t" +Salary);
39     }
40
41
42     public static void main(String args[])
43     {
44
45         System.out.println("Author:B.Vishnu
46 priya \nSAP ID:519834736");
47         Main[] M = new Main[10];
48         int i;
49
50         for(i=0;i<10;i++)
51             M[i] = new Main(); // 
52 Allocating memory to each object
53
54         for(i=0;i<10;i++)
55         {
56             System.out.print("\nEnter details
57 of " + (i+1) + " Employee\n");
58             M[i].GetData();
59         }
60
61         System.out.print("\nDetails of
62 Employees\n");
63         for(i=0;i<3;i++)
64             M[i].PutData();
65
66     }
67
68 }

```

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Enter details of 1 Employee

Enter Employee Id : 1

Enter Employee Name : vishnu

Enter Employee Age : 15

Enter Employee Salary : 1000

Enter details of 2 Employee

Enter Employee Id : 2

Enter Employee Name : priya

Enter Employee Age : 16

Enter Employee Salary : 999

Enter details of 3 Employee

Enter Employee Id : 3

Enter Employee Name : alekhya

Enter Employee Age : 17

Enter Employee Salary : 2000

Enter details of 4 Employee

Enter Employee Id : 5

Enter Employee Name : leela

Enter Employee Age : 34

Enter Employee Salary : 5000