

```
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("Madan Mohan");
11        System.out.println("51834548");
12        int i = 5;
13        System.out.println("The Factorial of " + i + " is " + factorial(i));
14    }
15 }
```

x Terminal



```
Madan Mohan
51834548
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=500;
8     int getBalance()
9     {
10         return deposit;
11     }
12 }
13 class BankB extends Bank
14 {
15     int deposit=7000;
16     int getBalance()
17     {
18         return deposit;
19     }
20 }
21 class BankC extends Bank
22 {
23     int deposit=1000;
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("Madan Mohan");
34         System.out.println("51834548");
35     }
36 }
```

```
35 //object for Bank A
36 BankA i=new BankA();
37 System.out.println("Balance in Bank A: "+i.getBalance());
38
39 //object for Bank B
40 BankB j=new BankB();
41 System.out.println("Balance in Bank B: "+j.getBalance());
42
43 //object for Bank C
44 BankC k=new BankC();
45 System.out.println("Balance in Bank C: "+k.getBalance());
46
47 }
48 }
```

X

Terminal



Madan Mohan

51834548

Balance in Bank A: 500

Balance in Bank B: 7000

Balance in Bank C: 1000

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 + "\t" + Age + "\t" + Salary);
32     }
33
34     public static void main(String args[])
35     {
36
37         System.out.println("Madan Mohan");
38         System.out.println("51834548");
39         Main[] M = new Main[10];
40         int i;
41
42         for(i=0;i<10;i++)
43             M[i] = new Main(); // Allocating memory to each object
44
45         for(i=0;i<10;i++)
46         {
47             System.out.print("\nEnter details of " + (i+1) + " Employee\n");
48
49         }
50
51     }
52 }
```

```
48         M[i].GetData();
49     }
50
51     System.out.print("\nDetails of Employees\n");
52     for(i=0;i<3;i++)
53         M[i].PutData();
54
55     }
56 }
```

x Terminal



Madan Mohan
51834548

Enter details of 1 Employee

Enter Employee Id : 1

Enter Employee Name : Madan

Enter Employee Age : 18

Enter Employee Salary: 1000000

Enter details of 2 Employee

Enter Employee Id :