```java
public class Main
{
    public static long factorial(int i)
    {
        return (i < 1) ? 1 : i * factorial(i - 1);
    }

    public static void main(String[] args)
    {
        System.out.println("Author:P.Kathyayani\nSAP ID:51834723");
        int i = 9;
        System.out.println("The Factorial of " + i + " is " + factorial(i));
    }
}
```

```
Author:P.Kathyayani
SAP ID:51834723
The Factorial of 9 is 362880

Process finished.
```

```java
1  abstract class Bank
2  {
3   abstract int getBalance();
4  }
5  class BankA extends Bank
6  {
7   int deposit=1200;
8   int getBalance()
9   {
10   return deposit;
11  }
12 }
13 class BankB extends Bank
14 {
15  int deposit=1505;
16  int getBalance()
17  {
18   return deposit;
19  }
20 }
21 class BankC extends Bank
22 {
23  int deposit=2030;
24  int getBalance()
25  {
26   return deposit;
27  }
28 }
29 class Main
30 {
31  public static void main(String args[])
32  {
```

```java
33    System.out.println("Author:P.Kathyayani\nSAP ID:51834723");
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  }
```

```
Author:P.Kathyayani
SAP ID:51834723
Balance in Bank A: 1200
Balance in Bank B: 1505
Balance in Bank C: 2030

Process finished.
```

```java
import java.util.Scanner;

    public class Main
    {
        int Id;
        String Name;
        int Age;
        long Salary;

        void GetData()                    // Defining GetData()
        {

            Scanner sc = new Scanner(System.in);

            System.out.print("\n\tEnter Employee Id : ");
            Id = Integer.parseInt(sc.nextLine());
```

```java
        System.out.print("\n\tEnter Employee Name : ");
        Name = sc.nextLine();

        System.out.print("\n\tEnter Employee Age : ");
        Age = Integer.parseInt(sc.nextLine());

        System.out.print("\n\tEnter Employee Salary : ");
        Salary = Integer.parseInt(sc.nextLine());

}

void PutData()              // Defining PutData()
{
    System.out.print("\n\t" + Id + "\t" +Name + "\t" +Age + "\t" +Salary);
}
```

```java
public static void main(String args[])
{

    System.out.println("Author:P.Kathyayani\nSAP ID:51834723");
    Main[] M = new Main[2];
    int i;

    for(i=0;i<2;i++)
        M[i] =  new Main();    // Allocating memory to each object

    for(i=0;i<2;i++)
    {
        System.out.print("\nEnter details of "+ (i+1) +" Employee\n");
        M[i].GetData();
    }
```

```java
        System.out.print("\nEnter details of "+ (i+1) +" Employee\n");
        M[i].GetData();
    }

    System.out.print("\nDetails of Employees\n");
    for(i=0;i<3;i++)
        M[i].PutData();

    }
}
```

```
Author:P.Kathyayani
SAP ID:51834723

Enter details of 1 Employee

  Enter Employee Id : 345

  Enter Employee Name : Raj

  Enter Employee Age : 34

  Enter Employee Salary : 50000

Enter details of 2 Employee

  Enter Employee Id : 432

  Enter Employee Name : John

  Enter Employee Age : 36

  Enter Employee Salary : 67000

Details of Employees

  345 Raj 34 50000
  432 John 36 67000Exception in thread "main
```