```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:B.Vishnu priya\nSAP ID:51834736");
  int i = 5;
  System.out.println("The Factorial of " + i + " is " + factorial(i));
 }
}
```

```
Author:B.Vishnu priya
SAP ID:51834736
The Factorial of 5 is 120

Process finished.
```

```
abstract class Bank
{
 abstract int getBalance();
}
class BankA extends Bank
{
 int deposit=100;
 int getBalance()
 {
  return deposit;
 }
}
class BankB extends Bank
{
 int deposit=150;
 int getBalance()
 {
  return deposit;
 }
}
class BankC extends Bank
{
 int deposit=200;
 int getBalance()
 {
  return deposit;
 }
}
class Main
{
 public static void main(String args[])
 {
  System.out.println("Author:B.Vishnu priya\nSAP
ID:51834736");
  //object for Bank A
  BankA i=new BankA();
  System.out.println("Balance in Bank A:
"+i.getBalance());

  //object for Bank B
  BankB j=new BankB();
  System.out.println("Balance in Bank B:
"+j.getBalance());

  //object for Bank C
  BankC k=new BankC();
  System.out.println("Balance in Bank C:
```

```
class BankA extends Bank
{
 int deposit=100;
 int getBalance()
 {
  return deposit;
 }
}
class BankB extends Bank
{
 int deposit=150;
 int getBalance()
 {
  return deposit;
 }
}
class BankC extends Bank
{
 int deposit=200;
 int getBalance()
 {
  return deposit;
 }
}
class Main
{
 public static void main(String args[])
 {
  System.out.println("Author:B.Vishnu priya\nSAP
ID:51834736");
  //object for Bank A
  BankA i=new BankA();
  System.out.println("Balance in Bank A:
"+i.getBalance());

  //object for Bank B
  BankB j=new BankB();
  System.out.println("Balance in Bank B:
"+j.getBalance());

  //object for Bank C
  BankC k=new BankC();
  System.out.println("Balance in Bank C:
"+k.getBalance());

 }
}
```

AB { } . " = RUN

```
Author:B.Vishnu priya
SAP ID:51834736
Balance in Bank A: 100
Balance in Bank B: 150
Balance in Bank C: 200

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());

            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);
        }

        public static void main(String args[])
        {

            System.out.println("Author:B.Vishnu priya \nSAP ID:519834736");
```

```
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("Author:B.Vishnu
    priya \nSAP ID:519834736");
38              Main[] M = new Main[10];
39              int i;
40
41              for(i=0;i<10;i++)
42                  M[i] =  new Main();    //
    Allocating memory to each object
43
44              for(i=0;i<10;i++)
45              {
46                  System.out.print("\nEnter details
    of "+ (i+1) +" Employee\n");
47                  M[i].GetData();
48              }
49
50              System.out.print("\nDetails of
    Employees\n");
51              for(i=0;i<3;i++)
52                  M[i].PutData();
53
54          }
55      }
```

```
Author:B.Vishnu priya
SAP ID:519834736

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
```