



Code Playground



```
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. Nancy
11        Florence\nSAP ID:51834501");
12        int i = 5;
13        System.out.println("The Factorial of " + i +
14        " is " + factorial(i));
15    }
16 }
```



TAB

{

}

;

"

=

RUN





OUTPUT

```
Author. Nancy Florence  
SAP ID:51834501  
The Factorial of 5 is 120
```

```

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:Nancy
34 Florence\nSAP ID:51834501");
35         //object for Bank A
36         BankA i=new BankA();
37         System.out.println("Balance in Bank A:
38 "+i.getBalance());
39
40         //object for Bank B
41         BankB j=new BankB();
42         System.out.println("Balance in Bank B:
43 "+j.getBalance());

```

TAB

{

}

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"

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RUN





OUTPUT

```
Author:Nancy Florence  
SAP ID:51834501  
Balance in Bank A: 100  
Balance in Bank B: 150  
Balance in Bank C: 200
```

```

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            Scanner sc = new
14            Scanner(System.in);
15
16            System.out.print("\n\tEnter
17            Employee Id : ");
18            Id =
19            Integer.parseInt(sc.nextLine());
20
21            System.out.print("\n\tEnter
22            Employee Name : ");
23            Name = sc.nextLine();
24
25            System.out.print("\n\tEnter
26            Employee Age : ");
27            Age =
28            Integer.parseInt(sc.nextLine());
29
30            System.out.print("\n\tEnter
31            Employee Salary : ");
32            Salary =
33            Integer.parseInt(sc.nextLine());
34        }
35
36        void PutData()                // Defining
37        PutData()
38        {
39            System.out.print("\n\t" + Id + "\t"
40            +Name + "\t" +Age + "\t" +Salary);
41        }

```

TAB

{

}

;

"

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RUN





```
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:Nancy
Florence\nSAP ID:51834501");
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 }
```

