

A screenshot of a mobile device displaying a code editor and a terminal window. The top half shows a code editor with a dark theme, displaying Java code for calculating factorial. The bottom half shows a terminal window with the output of the executed code.

5:23 5:23 0.40 49

Duplicate.java

```
1 public class Duplicate
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: T.S.S.S.N.V.Pavan Kumar");
11        int i = 5;
12        System.out.println("The Factorial of " + i + " is " + fact
13    }
14 }
```

x Terminal

```
Author: T.S.S.S.N.V.Pavan Kumar
SAP ID:51834685
The Factorial of 5 is 120
```



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5:31 ⌚ 0.93 Kb/s 46.11 47

Duplicate2.java

← Saved → ⋮

```
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         BankA a=new BankA();
34         System.out.println("Balance in Bank A: "+a.getBalance());
35         BankB b=new BankB();
36         System.out.println("Balance in Bank B: "+b.getBalance());
37         BankC c=new BankC();
38         System.out.println("Balance in Bank C: "+c.getBalance());
39         System.out.println("====");
40         System.out.println("Author: T.S.S.S.N.V.Pavan Kumar");
41     }
42 }
```

3. Make public 🌐

Run



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5:31 ⌚ 0.73 Kb/s 4G (47)

Duplicate2.java

← Saved

```
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         BankA a=new BankA();
34         System.out.println("Balance in Bank A: "+a.getBalance());
35         BankB b=new BankB();
36         System.out.println("Balance in Bank B: "+b.getBalance());
37     }
38 }
```

x Terminal

```
Balance in Bank A: 100
Balance in Bank B: 150
Balance in Bank C: 200
=====
Author: T.S.S.S.N.V.Pavan Kumar
Sap: 51834685
```



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5:33 ①

Duplicate3.java ②
Saved

```
1 import java.util.Scanner;
2 class Pattern
3 {
4     public static void main(String args[])
5     {
6         System.out.println("Author: T.S.S.S.N.V.Pavan Kumar");
7         Scanner sc=new Scanner(System.in);
8         for(int i=4;i>=1;i--)
9         {
10            for(int j=4;j>i;j--)
11            {
12                System.out.print(" ");
13            }
14            for(int j=2*i-1;j>=1;j--)
15            {
16                if(j%2==0)
17                {
18                    System.out.print("0");
19                }
20                else
21                {
22                    System.out.print("1");
23                }
24            }
25            System.out.println();
26        }
27    }
28 }
```

x Terminal

```
Author: T.S.S.S.N.V.Pavan Kumar
Sap:51834685
1010101
10101
101
1

Process finished.
```

4.



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