



1stAnswer25\_07\_20.java



Saved

```
1
2 //1st answer
3 import java.util.*;
4
5 // Compiler version JDK 11.0.2
6
7 class Factorial
8 {
9
10     // method to find factorial of given number
11
12     static int factorial(int n)
13
14     {
15
16         if (n == 0)
17
18             return 1;
19
20
21
22         return n*factorial(n-1);
23
24     }
25
26
27
28
29     public static void main(String[] args)
30
31     {
32         Scanner sc=new Scanner(System.in);
33         System.out.println("author:P.Hemanth\nsap");
34         System.out.println("enter the number:");
35         int num = sc.nextInt();
36
37         if(num>=0)
38             System.out.println("Factorial of "+
39                 num + " is " + factorial(num));
40
41         else
42
43             System.out.println("enter the number at");
44             System.exit(0);
45
46     }
47 }
```





Terminal



```
author:P.Hemanth  
sap.id:51834553  
enter the number:  
4  
Factorial of 4 is 24  
  
Process finished.
```



3rdAnswer25\_07\_20.java



Saved

```
1
2 //3rd answer
3
4 import java.util.*;
5
6 // Compiler version JDK 11.0.2
7
8
9 abstract class Bank
10 {
11     abstract int getBalance();
12 }
13 class BankA extends Bank
14 {
15     int deposit=100;
16     int getBalance()
17     {
18         return deposit;
19     }
20 }
21 class BankB extends Bank
22 {
23     int deposit=150;
24     int getBalance()
25     {
26         return deposit;
27     }
28 }
29 class BankC extends Bank
30 {
31     int deposit=200;
32     int getBalance()
33     {
34         return deposit;
35     }
36 }
37 class Main
38 {
39     public static void main(String args[])
40     {
41         System.out.println("Author:P.Hemanth\nSAP ID:5183");
42         //object for Bank A
43         BankA i=new BankA();
44         System.out.println("Balance in Bank A: "+i.getBalance());
45
46         //object for Bank B
47         BankB j=new BankB();
48         System.out.println("Balance in Bank B: "+j.getBalance());
49
50         //object for Bank C
51         BankC k=new BankC();
52         System.out.println("Balance in Bank C: "+k.getBalance());
53     }
54 }
```



× Terminal



Author:P.Hemanth

SAP ID:51834553

Balance in Bank A: 100

Balance in Bank B: 150

Balance in Bank C: 200

Process finished.





5thAnswer25\_07\_20.java



Saved

```
1 //5th answer
2
3 import java.util.*;
4
5 // Compiler version JDK 11.0.2
6
7 public class Main
8 {
9     int Id;
10    String Name;
11    int Age;
12    long Salary;
13
14    void GetData() // Defining GetData
15    {
16
17        Scanner sc = new Scanner(System.in);
18
19        System.out.print("\n\tEnter Employee Id");
20        Id = Integer.parseInt(sc.nextLine());
21
22        System.out.print("\n\tEnter Employee Name");
23        Name = sc.nextLine();
24
25        System.out.print("\n\tEnter Employee Age");
26        Age = Integer.parseInt(sc.nextLine());
27
28        System.out.print("\n\tEnter Employee Salary");
29        Salary = Integer.parseInt(sc.nextLine());
30
31    }
32
33    void PutData() // Defining PutData
34    {
35        System.out.print("\n\t" + Id + "\t" + Name);
36    }
37
38    public static void main(String args[])
39    {
40
41        System.out.println("Author:P.Hemanth\n");
42        Main[] M = new Main[10];
43        int i;
44
45        for(i=0;i<10;i++)
46            M[i] = new Main(); // Allocating
47
48        for(i=0;i<10;i++)
49        {
50            System.out.print("\nEnter details of Employee ");
51            M[i].GetData();
52        }
53    }
54}
```





5thAnswer25\_07\_20.java



Saved

```
16
17     Scanner sc = new Scanner(System.in);
18
19     System.out.print("\n\tEnter Employee Id :
20     Id = Integer.parseInt(sc.nextLine());
21
22     System.out.print("\n\tEnter Employee Name
23     Name = sc.nextLine();
24
25     System.out.print("\n\tEnter Employee Age
26     Age = Integer.parseInt(sc.nextLine());
27
28     System.out.print("\n\tEnter Employee Sala
29     Salary = Integer.parseInt(sc.nextLine());
30
31 }
32
33 void PutData()           // Defining PutData(
34 {
35     System.out.print("\n\t" + Id + "\t" +Name
36 }
37
38 public static void main(String args[])
39 {
40
41     System.out.println("Author:P.Hemanth\nSAF
42     Main[] M = new Main[10];
43     int i;
44
45     for(i=0;i<10;i++)
46         M[i] = new Main();    // Allocating n
47
48     for(i=0;i<10;i++)
49     {
50         System.out.print("\nEnter details of
51         M[i].GetData();
52     }
53
54     System.out.print("\nDetails of Employees\
55     for(i=0;i<3;i++)
56         M[i].PutData();
57
58 }
59 }
```



× Terminal



Author:P.Hemanth  
SAP ID:519834553

Enter details of 1 Employee

Enter Employee Id : 1

Enter Employee Name : hemu

Enter Employee Age : 18

Enter Employee Salary : 100000

Enter details of 2 Employee

Enter Employee Id : 2

Enter Employee Name : hema

Enter Employee Age : 19

Enter Employee Salary : 3990000

Enter details of 3 Employee

Enter Employee Id : 3

Enter Employee Name : hemanth

Enter Employee Age : 18

Enter Employee Salary : 200000000

Enter details of 4 Employee

Enter Employee Id : 4

Enter Employee Name : meghana

Enter Employee Age : 19

Enter Employee Salary : 2000030

Enter details of 5 Employee

× Terminal



Enter Employee Id : 7

Enter Employee Name : jei

Enter Employee Age : 20

Enter Employee Salary : 3028

Enter details of 8 Employee

Enter Employee Id : 8

Enter Employee Name : hei

Enter Employee Age : 40

Enter Employee Salary : 123000

Enter details of 9 Employee

Enter Employee Id : 9

Enter Employee Name : ke

Enter Employee Age : 30

Enter Employee Salary : 202900

Enter details of 10 Employee

Enter Employee Id : 10

Enter Employee Name : koe

Enter Employee Age : 29

Enter Employee Salary : 244000

Details of Employees

1 hemu 18 100000

2 hema 19 3990000

3 hemanth 18 200000000

Process finished.