

```
C:\Users\Appy\Desktop\java lab>java Personmain
Enter the name:
bc
name:abc
Enter the employee id:
1
id:11
Enter the teaching employee sal:
80000
salary:80000.0
Enter the name:
abd
name:abd
Enter the employee id:
2
id:12
Enter the non-teaching employee sal:
45000
salary:45000.0
Enter the name:
abe
name:abe
Enter the student id:
20
id:20
Enter the semester for UG students:
3
Semester:3
Enter the name:
abf
name:abf
Enter the student id:
25
id:25
Enter the semester for PG students:
1
Semester:1
C:\Users\Appy\Desktop\java lab>
```

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Solidmain.java Personmain.java X

c:\Users> Appy > Desktop > java lab > Personmain.java

```
1  import java.util.Scanner;
2  class Person{
3      String name;
4      Scanner sc = new Scanner(System.in);
5      void Details1(){
6          System.out.println("Enter the name:");
7          name = sc.next();
8          System.out.println("name:"+name);
9      }
10 }
11 class Employee extends Person{
12     int emp_id;
13     Scanner sc = new Scanner(System.in);
14     void Details2(){
15         Details1();
16         System.out.println("Enter the employee id:");
17         emp_id = sc.nextInt();
18         System.out.println("Id:"+emp_id);
19     }
20 }
21 class Student extends Person{
22     int st_id;
23     Scanner sc = new Scanner(System.in);
24     void Details3(){
25         Details1();
26         System.out.println("Enter the student id:");
27         st_id = sc.nextInt();
28         System.out.println("Id:"+st_id);
29     }
30 }
31 class Teaching extends Employee{
32     double sal;
33     Scanner sc = new Scanner(System.in);
```

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Ln 79, Col 17 Spaces: 4 UTF-8 CRLF Java

21:19

06-11-2020

Solidmain.java Personmain.java X

c:\Users> Appy > Desktop > java lab > Personmain.java

```
31 class Teaching extends Employee{
32     double sal;
33     Scanner sc = new Scanner(System.in);
34     void Details4(){
35         Details2();
36         System.out.println("Enter the teaching employee sal:");
37         sal = sc.nextDouble();
38         System.out.println("Salary:"+sal);
39     }
40 }
41 class Nonteaching extends Employee{
42     double sal;
43     Scanner sc = new Scanner(System.in);
44     void Details5(){
45         Details2();
46         System.out.println("Enter the non-teaching employee sal:");
47         sal = sc.nextDouble();
48         System.out.println("Salary:"+sal);
49     }
50 }
51
52 class UG extends Student{
53     int sem;
54     Scanner sc = new Scanner(System.in);
55     void Details6(){
56         Details3();
57         System.out.println("Enter the semester for UG students:");
58         sem = sc.nextInt();
59         System.out.println("Semester:"+sem);
60     }
61 }
62 class PG extends Student{
```

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Solidmain.java

Personmain.java X



c:\> Users > Appy > Desktop > java lab > Personmain.java

```
55     void Details6(){
56         Details3();
57         System.out.println("Enter the semester for UG students:");
58         sem = sc.nextInt();
59         System.out.println("Semester:"+sem);
60     }
61 }
62 class PG extends Student{
63     int sem;
64     Scanner sc = new Scanner(System.in);
65     void Details7(){
66         Details3();
67         System.out.println("Enter the semester for PG students:");
68         sem = sc.nextInt();
69         System.out.println("Semester:"+sem);
70     }
71 }
72 class Personmain{
73     public static void main(String args[]){
74         Teaching T1 = new Teaching();
75         T1.Details4();
76         Nonteaching N1 = new Nonteaching();
77         N1.Details5();
78         UG U1 = new UG();
79         U1.Details6();
80         PG P1 = new PG();
81         P1.Details7();
82     }
83 }
```



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