

```
Week8_extra_2.java x Week8_extra_1.java x Week6_3.java x lp3_2.java x lp3_1.java x lp4.java x Week6_7.ja
1 package com.company;
2 import java.util.Scanner;
3 class Person{
4     String name;
5     Scanner s=new Scanner(System.in);
6     void set_details(){
7         System.out.println("Name:");
8         name=s.nextLine();
9     }
10    void display_details(){
11        System.out.println("Name : "+name);
12    }
13 }
14 class Employee1 extends Person{
15     int emp_id;
16     Scanner s=new Scanner(System.in);
17     void set_details(){
18         super.set_details();
19         System.out.println("Employee id:");
20         emp_id=s.nextInt();
21     }
22     void display_details(){
23         super.display_details();
24         System.out.println("Employee id : "+emp_id);
25     }
26 }
27 class Student1 extends Person{
```

Build

```
Week8_extra_2.java x Week8_extra_1.java x Week6_3.java x lp3_2.java x lp3_1.java x lp4.java x Week6_7.java
28 String usn;
29 Scanner s=new Scanner(System.in);
30 void set_details(){
31     super.set_details();
32     System.out.println("Usn:");
33     usn=s.nextLine();
34 }
35 void display_details(){
36     super.display_details();
37     System.out.println("Usn : "+usn);
38 }
39 }
40 class Teaching extends Employee1{
41     int salary;
42     String subject;
43     Scanner s=new Scanner(System.in);
44     void set_details(){
45         super.set_details();
46         System.out.println("Salary for teaching:");
47         salary=s.nextInt();
48         System.out.println("Teaching subject:");
49         subject=s.nextLine();
50     }
51     void display_details(){
52         super.display_details();
53         System.out.println("Salary for teaching : "+salary);
54         System.out.println("Teaching subject : "+subject);
```



```
Week8_extra_2.java x Week8_extra_1.java x Week6_3.java x lp3_2.java x lp3_1.java x lp4.java x Week6_7.java x We
55     }
56 }
57 class Non_teaching extends Employee1{
58     String profession;
59     Scanner s=new Scanner(System.in);
60     void set_details(){
61         super.set_details();
62         System.out.println("Profession:");
63         profession=s.nextLine();
64     }
65     void display_details()
66     {
67         super.display_details();
68         System.out.println("Profession : "+profession);
69     }
70 }
71 class Ug extends Student1{
72     String course;
73     Scanner s=new Scanner(System.in);
74     void set_details(){
75         super.set_details();
76         System.out.println("Course:");
77         course=s.nextLine();
78     }
79     void display_details(){
80         super.display_details();
81         System.out.println("Course : "+course);
```

```
Week8_extra_2.java x Week8_extra_1.java x Week6_3.java x lp3_2.java x lp3_1.java x lp4.java x Week6_7.java x Week6_6.java x
82     }
83 }
84 class Pg extends Student1{
85     String university;
86     Scanner s=new Scanner(System.in);
87     void set_details(){
88         super.set_details();
89         System.out.println("University:");
90         university=s.nextLine();
91     }
92     void display_details(){
93         super.display_details();
94         System.out.println("University : "+university);
95     }
96 }
97 public class Week8_extra_2 {
98     public static void main(String[] args){
99         Scanner s=new Scanner(System.in);
100         Teaching t=new Teaching();
101         Non_teaching nt=new Non_teaching();
102         Ug u=new Ug();
103         Pg p=new Pg();
104         System.out.println("Press\n1:Teacher\n2:Not a teacher\n3:Ug student\n4:Pg student\n");
105         int ch=s.nextInt();
106         switch (ch){
107             case 1:t.set_details();
108                 t.display_details();
```



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Week8_extra_2.java x Week8_extra_1.java x Week6_3.java x Ip3_2.java x Ip3_1.java x Ip4.java x Week6_7.java x Week6_6.java x Ant
100 Teaching t=new Teaching();
101 Non_teaching nt=new Non_teaching();
102 Ug u=new Ug();
103 Pg p=new Pg();
104 System.out.println("Press\n1:Teacher\n2:Not a teacher\n3:Ug student\n4:Pg student\n");
105 int ch=s.nextInt();
106 switch (ch){
107     case 1:t.set_details();
108         t.display_details();
109         break;
110     case 2:nt.set_details();
111         nt.display_details();
112         break;
113     case 3:u.set_details();
114         u.display_details();
115         break;
116     case 4:p.set_details();
117         p.display_details();
118         break;
119     default:
120         System.out.println("Input choice number is invalid");
121 }
122
123 }
124 }
125
```

