

Extra 1

```
1  import java.util.Scanner;
2
3  class employee
4  {
5      private int empId;
6      private String empName;
7      private double empNoHrs, empBasic, empGross;
8      private double empHRA, empDA, empIT;
9      private Scanner get = new Scanner(System.in);
10
11     employee()
12     {
13         empGross=0;
14         empBasic=0;
15         System.out.println("\n<-----Enter The Details----->");
16         this.getEmpInfo();
17         System.out.println("\n<----- X ----->\n\n");
18         empHRA/=100;
19         empDA/=100;
20         empIT/=100;
21     }
22
23     private void getEmpInfo()
24     {
25         System.out.printf(" EmpID: "); empId.get.nextInt();
26         System.out.printf(" EmpName: "); empName.get.next();
27         System.out.printf(" EmpNoHrs: "); empNoHrs.get.nextDouble();
28         System.out.printf(" EmpBasic: "); empBasic.get.nextDouble();
29         System.out.printf(" EmpHRA(in percentage): "); empHRA.get.nextDouble();
30         System.out.printf(" EmpDA(in percentage): "); empDA.get.nextDouble();
31         System.out.printf(" EmpIT(in percentage): "); empIT.get.nextDouble();
32     }
33
34     void putEmpInfo()
35     {
36         System.out.println("<-----Employee Details----->");
37         System.out.println(" EmpID: "+ empId );
```

```
36         System.out.println("<-----Employee Details----->");
37         System.out.println(" EmpID: "+ empId );
38         System.out.println(" EmpName: "+ empName );
39         System.out.println(" EmpNoHrs: "+ empNoHrs );
40         System.out.println(" EmpBasic: "+ empBasic );
41         System.out.println(" EmpHRA: "+ empHRA );
42         System.out.println(" EmpDA: "+ empDA );
43         System.out.println(" EmpIT: "+ empIT );
44         System.out.println("<----- X ----->\n");
45     }
46
47     double grossSalarycalc()
48     {
49         empGross= empBasic + empBasic*empHRA + empBasic*empDA - empBasic*empIT;
50         return empGross;
51     }
52     double grossSalaryUpdate()
53     {
54         double overTimeAmt=100;
55         if(empNoHrs>200)
56         {
57             empGross+=(empNoHrs-200)*100;
58         }
59         else
60             if(empNoHrs<200)
61             {
62                 empGross-=(200-empNoHrs)*100;
63             }
64         return empGross;
65     }
66
67 }
68
69 class employeeMain
70 {
71     public static void main(String[] args)
```

```
65     }
66
67 }
68
69 class employeeMain
70 {
71     public static void main(String[] args)
72     {
73         double gross;
74         employee e=new employee();
75         e.putEmpInfo();
76         gross=e.grossSalarycalc();
77         System.out.println("Initial Gross Salary: "+gross);
78         gross=e.grossSalaryUpdate ();
79         System.out.println("Updated Gross Salary: "+gross);
80     }
81 }
```

```
<-----Enter The Details----->
```

```
EmpID: 101  
EmpName: Amarnath  
EmpNoHrs: 205  
EmpBasic: 50000  
EmpHRA(in percentage): 40  
EmpDA(in percentage): 30  
EmpIT(in percentage): 10
```

```
<----- X ----->
```

```
<-----Employee Details----->
```

```
EmpID: 101  
EmpName: Amarnath  
EmpNoHrs: 205.0  
EmpBasic: 50000.0  
EmpHRA: 0.4  
EmpDA: 0.3  
EmpIT: 0.1
```

```
<----- X ----->
```

```
Initial Gross Salary: 80000.0
```

```
Updated Gross Salary: 80500.0
```

Extra 2

```
1  import java.util.Scanner;  
2  
3  class age  
4  {  
5      int years,months;  
6      String name;  
7      Scanner get = new Scanner(System.in);  
8      age()  
9      {  
10         System.out.printf("\n Enter The Name: "); name=get.nextLine();  
11     }  
12  
13     void getInfo()  
14     {  
15         System.out.printf("\n Enter The Details\n Years: "); years=get.nextInt();  
16         System.out.printf(" Months: ");months=get.nextInt();  
17     }  
18  
19 }  
20  
21 class ageMain  
22 {  
23     public static void main(String[] args)  
24     {  
25         int eld;  
26         age p1,p2;  
27         p1=new age();  
28         p1.getInfo();  
29         p2=new age();  
30         p2.getInfo();  
31         if(p1.years>p2.years)  
32             System.out.printf("\n %s is elder  %d year(s) \n",p1.name,p1.years -p2.years);  
33     else  
34         if(p1.years<p2.years)  
35             System.out.printf("\n %s is elder  %d year(s) \n",p2.name,p2.years -p1.years);  
36     else  
37         if(p1.years==p2.years)  
38         {
```

```

37         if(p1.years==p2.years)
38         {
39             if(p1.months==p2.months)
40                 System.out.printf("\n Both Are of same Age !\n");
41             else
42                 if(p1.months>p2.months)
43                     System.out.printf("\n %s is elder by %d month(s)\n",p1.name,p1.months-p2.months);
44             else
45                 if(p1.months<p2.months)
46                     System.out.printf("\n %s is elder by %d month(s)\n",p2.name,p2.months-p1.months);
47             }
48         }
49     }

```

Enter The Name: Anath

Enter The Details

Years: 8

Months: 8

Enter The Name: Amarnath

Enter The Details

Years: 8

Months: 9

Amarnath is elder by 1 month(s)