

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 );
38
39
40
41
42
43
44 }
```

```
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)
72     {
73
74
75
76
77
78
79
80
81 }
```

```
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 class ageMain
21 {
22     public static void main(String[] args)
23     {
24         int eld;
25         age p1,p2;
26         p1=new age();
27         p1.getInfo();
28         p2=new age();
29         p2.getInfo();
30         if(p1.years>p2.years)
31             System.out.printf("\n %s is elder %d year(s) \n",p1.name,p1.years-p2.years);
32         else
33             if(p1.years<p2.years)
34                 System.out.printf("\n %s is elder %d year(s) \n",p2.name,p2.years-p1.years);
35         else
36             if(p1.years==p2.years)
37                 System.out.printf("\n Both are equal \n");
38     }
39 }
```

```
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)