

## LAB 3 EXTRA PROGRAMS 13/10/2020

1.

```
1  import java.io.*;
2  import java.util.*;
3  class Employee
4  {
5      public static void main(String args[])
6      {
7          double gross;
8          Scanner sc=new Scanner(System.in);
9          System.out.println("Enter name:");
10         String empname=sc.next();
11         System.out.println("Enter no of hrs:");
12         int empnohrs=sc.nextInt();
13         System.out.println("Enter basic:");
14         double empbasic=sc.nextDouble();
15         System.out.println("Enter da:");
16         double empda=sc.nextDouble();
17         System.out.println("Enter hra:");
18         double emphra=sc.nextDouble();
19         System.out.println("Enter it:");
20         double empit=sc.nextDouble();
21
22         gross=(empbasic+(empbasic*(emphra/100))+(empbasic*(empda/100))-(empbasic*(empit/100)));
23
24         if(empnohrs>200)
25         {
26             gross+=(empnohrs-200)*100;
27         }
28
29         else if(empnohrs<200)
30         {
31             gross-=(200-empnohrs)*100;
32         }
33
34         System.out.println("The gross salary of"+empname+"is:"+gross);
35     }
36 }
37 }
```

```
C:\Users\admin\Documents>java Employee
Enter name:
Sharat
Enter no of hrs:
210
Enter basic:
6000
Enter da:
2
Enter hra:
5
Enter it:
5
The gross salary of Sharat is:7120.0
```

```

1  import java.io.*;
2  import java.util.*;
3  class Age
4  {
5      private int age;
6      private int years;
7      private int months;
8      Age ()
9      {
10         age=0;
11         months=0;
12         years=0;
13     }
14     void getdetails ()
15     {
16         Scanner sc=new Scanner(System.in);
17         System.out.println("Enter years:");
18         years=sc.nextInt();
19         System.out.println("Enter months:");
20         months=sc.nextInt();
21     }
22
23     public int calculate ()
24     {
25         int extra=(months%12);
26         years+=extra;
27         return years;
28     }
29 }
30
31 class Main
32 {
33     public static void main(String args[])
34     {
35
36         Age a1=new Age();
37         Age a2=new Age();
38
39         a1.getdetails();
40         a2.getdetails();
41         if(a1.calculate()<a2.calculate())
42         {
43             System.out.println("Person 1 is elder");
44         }
45         else
46         {
47             System.out.println("Person 2 is elder");
48         }
49     }
50 }

```

C:\Users\admin\Documents>javac Age.java

C:\Users\admin\Documents>java Main

Enter years:

10

Enter months:

2

Enter years:

13

Enter months:

3

Person 2 is elder