Extra program

1.
```
import java.util.Scanner;
class Employee
{
  int empid;
  String empname;
  float empnohrs, empHra, empda, empit;
  double empbasic, empgross;
  Employee()
  {
  empgross=0.0;
  }
  void accept()
  {
  Scanner sc=new Scanner(System.in);
  System.out.println("Enter employee details");
  System.out.println("ID:");
  empid=sc.nextInt();
  System.out.println("Employee name:");
  empname=sc.next();
  System.out.println("Number of hours");
  empnohrs=sc.nextFloat();
  System.out.println("Employee HRA percentage");
  empHra=sc.nextFloat();
  System.out.println("Employee DA percentage");
  empda=sc.nextFloat();
  System.out.println("Employee IT percentage");
  empit=sc.nextFloat();
  System.out.println("Employee basic salary");
  empbasic=sc.nextDouble();
  }
void cal()
  {
```

empgross = empbasic + (empbasic * emphra * 0.01)
+ (empbasic * empda * 0.01) - (empbasic * empit * 0.01);
if (empnohrs > 200)
empgross = empgross + (100 * (empnohrs - 200));
else if (empnohrs < 200)
empgross = empgross - (100 * (200 - empnohrs));
}
}
class EmployeeMain
{
public static void main(String args[])
{
Employee e = new Employee();
e.accept();
e.cal();
System.out.println("Employee details:");
System.out.println("ID:" + e.empid);
System.out.println("Name:" + e.empname);
System.out.println("The gross salary of the employee is:" + e.empgross);
}
}

```
  import java.util.Scanner;
class Employee
{
  int empid;
  String empname;
  float empnohrs,emphra,empda,empit;
  double empbasic,empgross;
  Employee()
  {
    empgross=0.0;
  }
  void accept()
  {
    Scanner sc=new Scanner(System.in);
    System.out.println("Enter employee details");
    System.out.println("ID");
    empid=sc.nextInt();
    System.out.println("Employee name");
    empname=sc.next();
    System.out.println("Number of hours");
    empnohrs=sc.nextFloat();
    System.out.println("Employee HRA percentage");
    emphra=sc.nextFloat();
    System.out.println("Employee DA percentage");
    empda=sc.nextFloat();
    System.out.println("Employee IT percentage");
    empit=sc.nextFloat();
    System.out.println("Employee basic salary");
    empbasic=sc.nextDouble();
```

```
  }
  void cal()
  {
    empgross=empbasic+(empbasic*emphra*0.01)+(empbasic*empda*0.01)-(empbasic*empit*0.01);
    if(empnohrs>200)
    empgross=empgross+(100*(empnohrs-200));
    else if(empnohrs<200)
    empgross=empgross-(100*(200-empnohrs));
  }
}
class EmployeeMain
{
  public static void main(String args[])
  {
    Employee e=new Employee();
    e.accept();
    e.cal();
    System.out.println("Employee details");
    System.out.println("ID: "+e.empid);
    System.out.println("Name: "+e.empname);
    System.out.println("The gross salary of the employee is: "+e.empgross);
  }
}
```

```
C:\Users\Adithi\Desktop\java_prgs>java EmployeeMain
Enter employee details
ID
125490
Employee name
Anu
Number of hours
210
Employee HRA percentage
15
Employee DA percentage
10
Employee IT percentage
30
Employee basic salary
50000
Employee details
ID: 125490
Name: Anu
The gross salary of the employee is: 48500.0

C:\Users\Adithi\Desktop\java_prgs>
```

2.
```
import java.util.Scanner;
class Age
{   int years, months;
 void accept(int f)
  {
  Scanner sc= new Scanner(System.in);
  if (f==0)
  System.out.println(" Enter the age of
  Aditi in years and months");
  else if (f==1)
  System.out.println (" Enter the age of
  Anu in years and months");
  years = sc.nextInt();
  months = sc.nextInt();
  }
 void cal( Age a)
 {
  if ((years *12)+months) >((a.years *12) +
      a.months))
 System.out.println(" Aditi is elder");
 else if ((years *12)+ months) < ((a.years
 *12) + a.months))
 System.out.println (" Anu is elder");
 else
 System.out.println ("Both are of the same age");
}}
class AgeMain
{ public static void main (String args[]){
  Age ob1 = new Age();
  Age ob2= new Age();
  ob1.accept(0);
  ob2.accept(1);
  ob1.cal(ob2);
  }
}
```

```
import java.util.Scanner;
class Age
{
  int years,months;
  void accept(int f)
  {
    Scanner sc=new Scanner(System.in);
    if(f==0)
    System.out.println("Enter the age of Aditi in years and months");
    else if(f==1)
    System.out.println("Enter the age of Anu in years and months");
    years=sc.nextInt();
    months=sc.nextInt();
  }
  void cal(Age a)
  {
    if(((years*12)+months)>((a.years*12)+a.months))
    System.out.println("Aditi is elder");
    else if(((years*12)+months)<((a.years*12)+a.months))
    System.out.println("Anu is elder");
    else
    System.out.println("Both are of the same age");
  }
}
class AgeMain
{
  public static void main(String args[])
  {
    Age ob1=new Age();
```

```
    Age ob2=new Age();
    ob1.accept(0);
    ob2.accept(1);
    ob1.cal(ob2);
  }
}
```

```
C:\Users\Adithi\Desktop\java_prgs>java AgeMain
Enter the age of Aditi in years and months
11
3
Enter the age of Anu in years and months
11
6
Anu is elder

C:\Users\Adithi\Desktop\java_prgs>java AgeMain
Enter the age of Aditi in years and months
14
11
Enter the age of Anu in years and months
14
11
Both are of the same age

C:\Users\Adithi\Desktop\java_prgs>java AgeMain
Enter the age of Aditi in years and months
12
1
Enter the age of Anu in years and months
11
2
Aditi is elder

C:\Users\Adithi\Desktop\java_prgs>
```