Main.java

```java
import java.util.Scanner;
class Employee{
    public int empnohrs, amount;
    public String empid, empname;
    public float empbasic, empgross, emphra, empda, empit;

    void details(){
        Scanner scan = new Scanner(System.in);
        System.out.print("Enter employee id: ");
        empid = scan.next();
        System.out.print("Enter employee name: ");
        empname = scan.next();
        System.out.print("Enter number of hours worked: ");
        empnohrs = scan.nextInt();
        System.out.print("Enter basic salary of this employee: ");
        empbasic = scan.nextFloat();
        System.out.print("Enter HRA: ");
        emphra = scan.nextFloat();
        System.out.print("Enter DA: ");
        empda = scan.nextFloat();
        System.out.print("Enter IT: ");
        empit = scan.nextFloat();
    }

    void gross(){
        empgross = empbasic + (empbasic*emphra) + (empbasic*empda) - (empbasic*empit);
        System.out.println("The gross salary= "+empgross);
        if(empnohrs >200)
        {
            amount = (empnohrs - 200)*100;
            empgross += amount;
            System.out.println("The amount is: "+ amount);
            System.out.println("The salary= "+empgross);
        }
        else{
```

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        }
        else{
            amount = (200-empnohrs)*100;
            empgross -=amount;
            System.out.println("The amount is: "+amount);
            System.out.println("The salary= "+empgross);
        }
    }
}


public class Main
{
    public static void main(String[] args) {
        Employee e1 = new Employee();
        e1.details();
        e1.gross();
    }
}
```

input

```
Enter employee id: drt
Enter employee name: tyu
Enter number of hours worked: 220
Enter basic salary of this employee: 230000
Enter HRA: 12
Enter DA: 14
Enter IT: 13
The gross salary= 3220000.0
The amount is: 2000
The salary= 3222000.0


...Program finished with exit code 0
Press ENTER to exit console.
```

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```java
import java.util.Scanner;
class Age{
    int years, months;
    Age(int y, int m){
        this.years = y;
        this.months = m;
        calcAge();
    }

    void calcAge(){
        if(months>12)
        {
            years += (months/12);
            months %=12;
        }
    }

    Age addAges(Age a)
    {
        Age temp = new Age(0,0);
        temp.years = this.years + a.years;
        temp.months = this.months + a.months;
        temp.calcAge();
        return temp;
    }

    void compAges(Age a){
        if(this.years==a.years){
            if(this.months>a.months)
                System.out.print("1st person is elder");
            else if(this.months == a.months)
                System.out.print("Both are equal");
            else if(this.months < a.months)
                System.out.print("2nd person is elder");
```

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```
35          }
36          else if(this.years>a.years)
37              System.out.print("1st person is elder");
38          else
39              System.out.print("2nd person is elder");
40      }
41  }
42  public class Main
43  {
44      public static void main(String[] args) {
45          Scanner scan = new Scanner(System.in);
46          System.out.print("Enter age of 1st person: ");
47          int y1 = scan.nextInt();
48          int m1 = scan.nextInt();
49          Age a1 = new Age(y1,m1);
50          System.out.print("Enter age of 2nd person: ");
51          int y2 = scan.nextInt();
52          int m2 = scan.nextInt();
53          Age a2 = new Age(y2,m2);
54          a1.calcAge();
55          a2.calcAge();
56          a1.addAges(a2);
57          a1.compAges(a2);
58      }
59  }
60
```

input

```
Enter age of 1st person: 11 15
Enter age of 2nd person: 12 0
1st person is elder

...Program finished with exit code 0
Press ENTER to exit console.
```