Unit 8. HW

(This HW is NOT related to the code we did in class. Please read t carefully before you start coding!)

Create the class ***Employee*** with ***int id, String name, double salary*** and ***int numberOfDependents*** as private attributes. Add the Setters and Getters for each of those attributes, and override the ***toString*** method to print an employee in the format [id,name,net salary], where:

Net salary = salary*0.91 + (numberOfDependent *0.01*salary)

In this assignment, two employee objects are equal when they have the same net salary. For that, override the ***equals*** method (the one inherited from ***Object***) so that ***emp1.equals(emp2)*** is true when ***emp1*** and ***emp2*** are two employee objects that are equal.

In the main method, declare ***list*** to be an arrayList of type ***Employee***, and add at least 3 employees. Sort and print the list in ascending order (with respect to the net salary). Your code may use the Java ***sort*** static method from the ***Collections*** class. If so, you may either implement the Java ***Comparable*** interface or the Java ***Comparator*** interface.

Below can be used as the code of your main method:

```
Employee emp1 = new Employee(111, "Jimmy Dean", 5256.32, 0),
             emp2 = new Employee(598, "Jen Johnson", 47370, 5),
             emp3 = new Employee(920, "Jan Jones", 47834.25, 1);

System.out.println(emp1.equals(emp3));

ArrayList<Employee> list = new ArrayList<>();

list.add(emp1);
list.add(emp2);
list.add(emp3);

//sort call goes here…

for (Employee e : list)
      System.out.println(e);
```