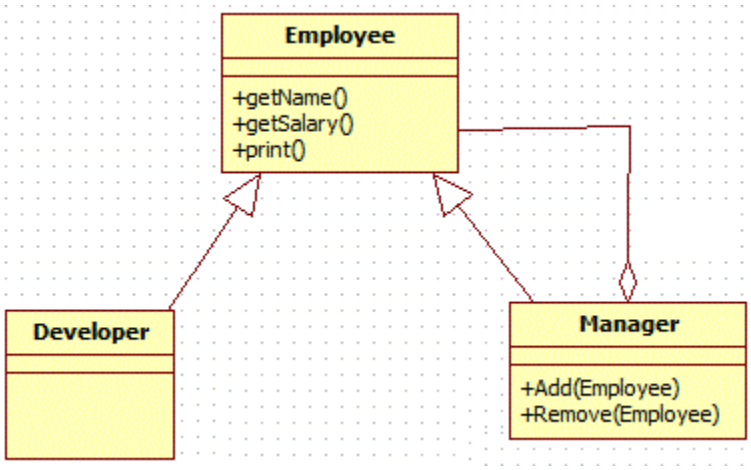
Homework (Composite Design Pattern)

You are provided with a Java program to practice using composite design pattern.

Your program contains four classes.

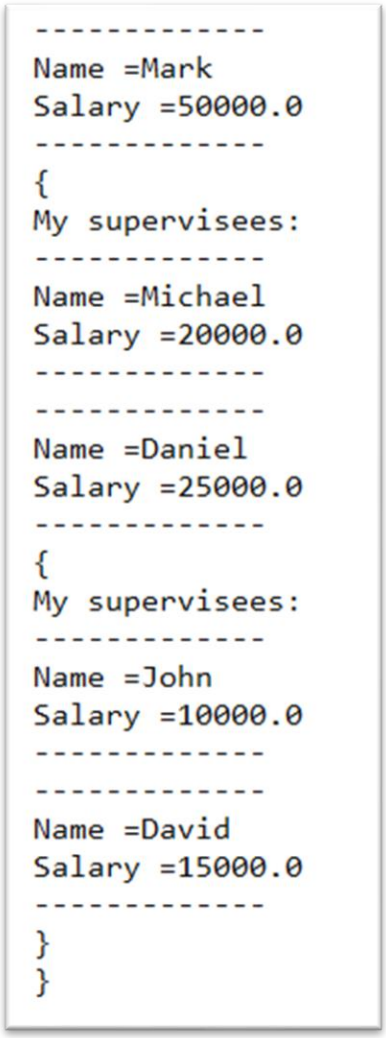
- An abstract **Employee** class, which is written for you. You do not need to make any changes to this class.
- A concrete **Developer** class. It is also written for you. A Developer is an Employee, so they have generalization (inheritance) relationship. You do not need to make any changes to this class.
- A concrete **Manager** class. A Manager is an Employee, so they have generalization (inheritance) relationship. At the same time, a manager might manage other employees (managers or developers). Therefore, they also have aggregation relationship. This class is partly written for you.
- A demo class (**CompositeHW**) to test your implementation of composite pattern.



Your task is to complete the implementation of the **Manager** class. Specifically, the three methods are add(), remove(), and print(). Note here that print() method should display both the manger himself/herself info and all his/her employees' info.

Note: **Manager** is the only class you should modify.

Your output should look like:



Submissions:

(1) Upload modified source code file (**Manager.java**) through canvas.
(2) Upload screenshot of the output of running your program.