

Lab#5: Files

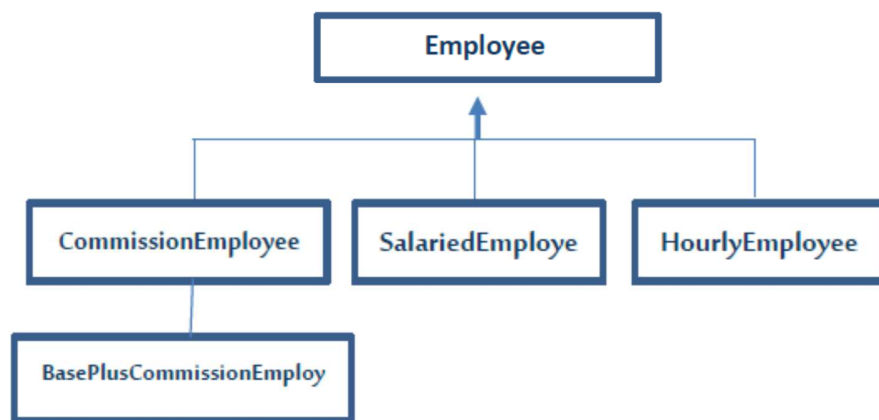
Name: _____ Date: _____ Section: -----

Objectives:

- ✓ Opening a file for output.
- ✓ Writing objects to a file.

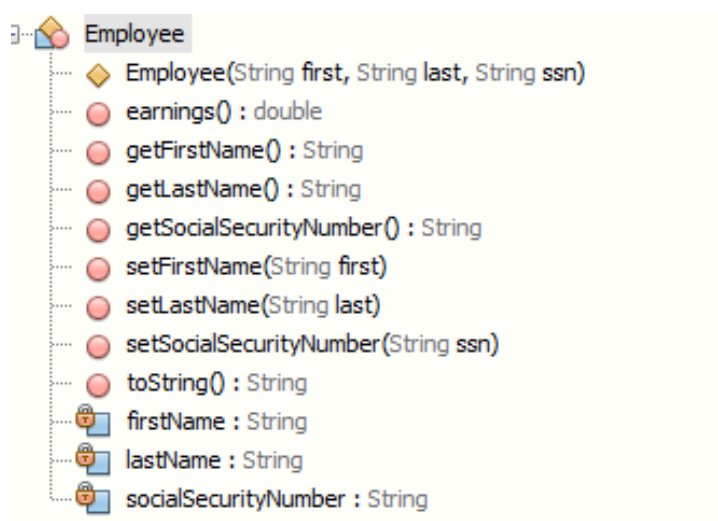
LAB EXERCISE

In this exercise, you will update a program to write data to a sequential text file (**using class: Formatter**). The data that will be written to the file represents records of the following classes:

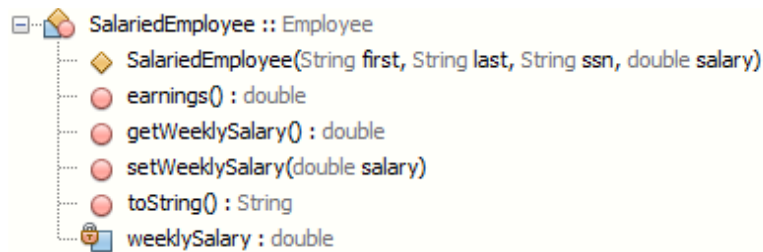


The implementation of the abstract class Employee and the four subclasses are given under **OutputEmployees** project folder. As follow:

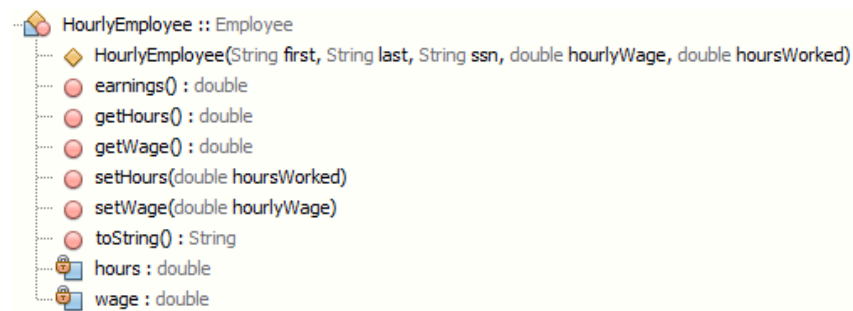
Employee.java



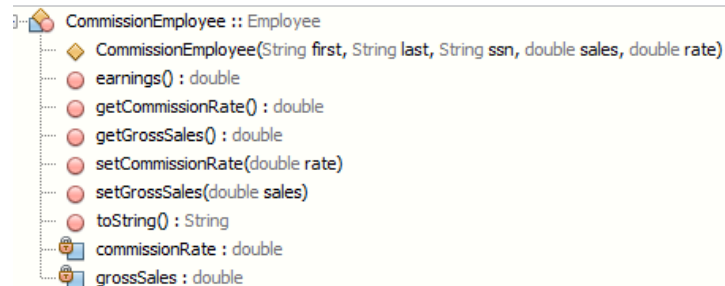
SalariedEmployee.java



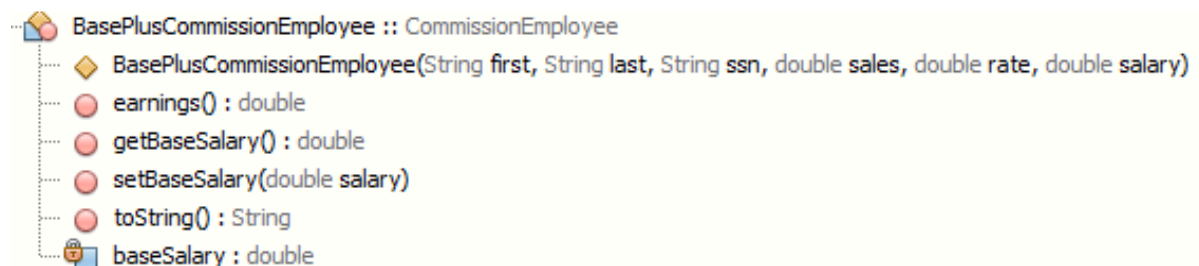
HourlyEmployee.java



CommissionEmployee.java



BasePlusCommissionEmployee.java



OutputEmployees.java (The test class)

This main class preforms the following:

- Create subclass objects
- Print out the employees records in the Console

Lab Exercise:

Update *OutputEmployees.java* as follows:

1. Create four-element Employee array
2. Initialize array with Employees
3. Creates a text file the file *EmployeeData.txt* , then access this file and writes all the elements of the array employees into the file.

```
run:
Employees processed individually:

salaried employee: John Smith
social security number: 111-11-1111
weekly salary: $800.00
earned: $800.00

hourly employee: Karen Price
social security number: 222-22-2222
hourly wage: $16.75; hours worked: 40.00
earned: $670.00

commission employee: Sue Jones
social security number: 333-33-3333
gross sales: $10,000.00; commission rate: 0.06
earned: $600.00

base-salaried commission employee: Bob Lewis
social security number: 444-44-4444
gross sales: $5,000.00; commission rate: 0.04; base salary: $300.00
earned: $500.00

Output the elements of the array into a text file:

Done
BUILD SUCCESSFUL (total time: 0 seconds)
```