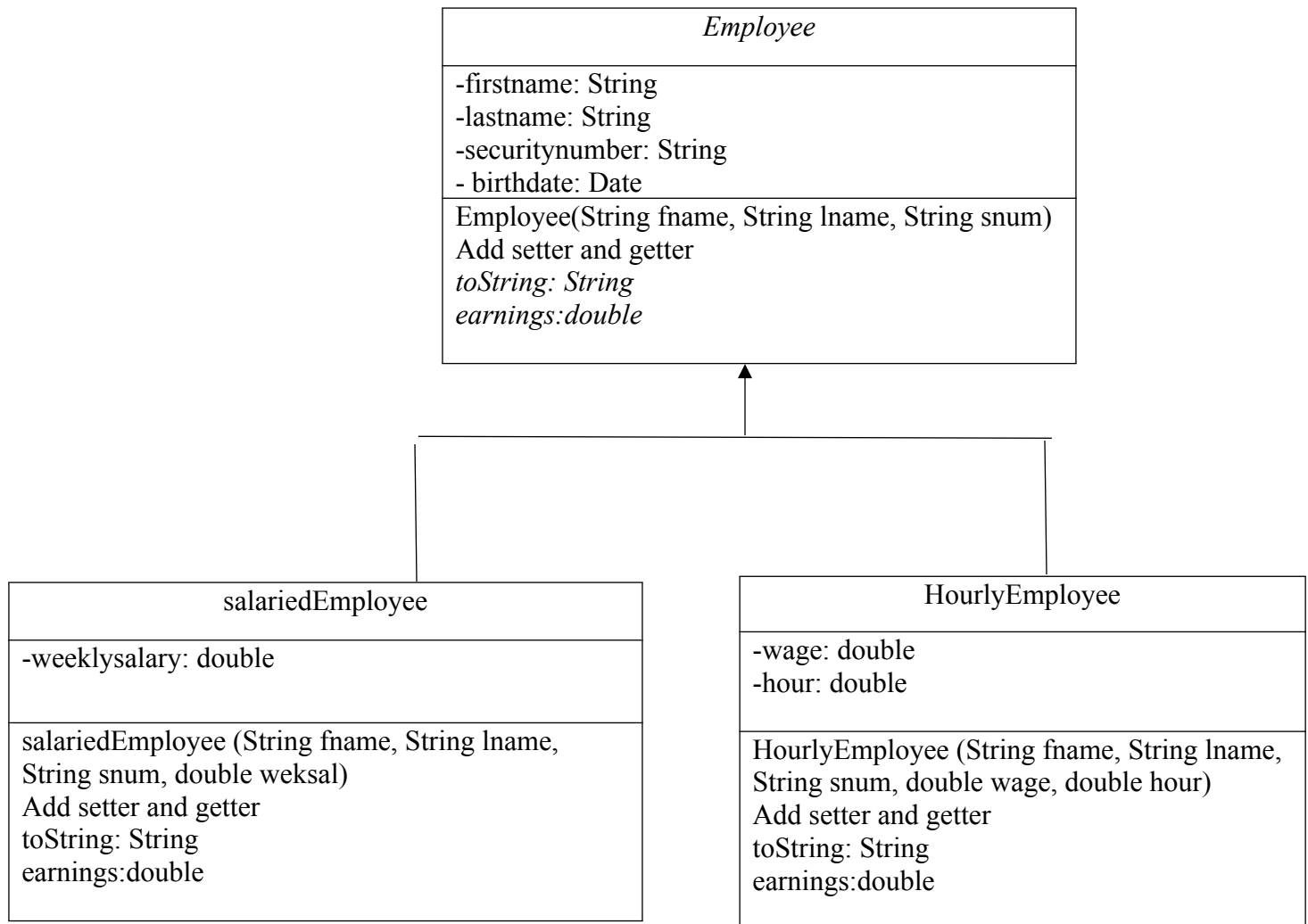


CSE110	
Object Oriented Programming	
Marks: 10	Time: 1 hour 20 mins

Consider the following UML diagram:



For salaried employee earning weeklSalary is multiplied by 4 and return the value. For hourly employee earnings is multiplication of wage and hour. Now create a main class and perform the following tasks for the above classes.

- i. Assume that payroll is processed once per month. Create an ArrayList of Employee variables to store references to the various employee objects. For this create the following menu:

1. Press 1 for salaried employee
2. Press 2 for hourly employee

In a loop, calculate the payroll for each Employee (polymorphically),

- ii. Add a \$100.00 bonus to the person's payroll amount if the current month is the one in which the Employee's birthday occurs.
- iii. Create another class Bonus with two instance variables bonustype: String and amount: double. Set appropriate constructor, setter, getter and display method. Now modify the salariedEmployee class by adding a reference ArrayList<bonuslist> of Bonus class.
- iv. Create a static method searchemployee(String security) which will take security number as arguments and display the employee information with its bonus information. For hourly employee there will be no bonus information
- v. Create another method compare(salariedEmployee s1, salariedEmployee s2) which will return true if two employees earnings are same and return false otherwise.