

SI@UCF - Programming Assignment for Inheritance Tax Time

Objective

1. Write several Java classes that utilize inheritance.
2. Writing code that adds to a given framework.

The Problem

In this assignment you will use inheritance to simplify the pay roll process for a company. In particular, you will be given the abstract class Employee and be asked to implement it in several classes. In particular, you will write the following classes:

- 1) HourlyEmployee implements Employee
- 2) SalariedEmployee implements Employee
- 3) ClericalStaff extends HourlyEmployee
- 4) PhoneStaff extends HourlyEmployee
- 5) Management extends SalariedEmployee
- 6) Researcher extends SalariedEmployee
- 7) ChiefExecutiveOfficer extends Management

Given Files

Your goal will be to complete the given files. Two of the files, Employee.java and Payroll.java are completed for you. The first is the abstract class which manages any employee object. The latter is a testing program that will work if you properly fill in the code necessary in the rest of the classes. Your goal will be to write the empty methods in the following classes: HourlyEmployee, SalariedEmployee, ClericalStaff, PhoneStaff, Management, Researcher, and ChiefExecutiveOfficer. Detailed instructions are left for you in the comments of these classes.

Output Sample

This is included in the posting of the homework assignment in the file payroll.out. This is the output of running the file Payroll.java.

Deliverables

You must submit a solution to the program described above in seven files: *HourlyEmployee.java*, *SalariedEmployee.java*, *ClericalStaff.java*, *PhoneStaff.java*, *Management.java*, *Researcher.java*, and *ChiefExecutiveOfficer.java*.