Lab 3

A company has employees and consultants. Design classes to represent the people who work for this company. The classes should have the following methods:

- getFirstName
- getLastName
- toString
- getWeeklyEarnings
- raiseSalary

Management employees are paid a weekly salary. Consultants and hourly employees are paid hourly and work forty hours per week. All are in whole dollars only.

The method raiseSalary should raise the management employee’s weekly salary by a certain dollar amount but no more than $100. The method raiseSalary will raise the consultant’s and hourly employee’s hourly wage by a whole dollar amount.

The toString method should print the employee type, name and weekly salary of the employee.

The Comparable interface is a commonly used interface in Java. Look up the Comparable interface in the API documentation. Implement the comparable interface on the management, consultant and hourly employees so it compares the values of the weekly salaries.

Create a company that has 2 management employees, 1 consultant, and 3 hourly employees. Use an ArrayList to store the employees. After creating the employees print out the employee list.

The sort method of the Collections class can sort a list of objects of classes that implement the Comparable interface. Look up the Collections class in the API documentation. Sort the employee list and print out the results.

Give some of the employees a raise. Re-sort the employees and print the results.