

## Programming Assignment 8-3

In the sample code in the supplementary code folder, there are classes `Employee`, `NameComparator`, and `EmployeeSort` in the `employeesort` package.

Add code according to the following specifications:

1. Create a `SalaryComparator` class whose `compareTo` method orders `Employee` objects in increasing order of salary.
2. Create a `HireDateComparator` class whose `compareTo` method orders `Employee` objects in increasing date of hire.
3. Write additional code in the `EmployeeSort` constructor which, after the “sort by name” operation is done and outputs results to the console (code has already been written), then sorts by salary, outputs results to the console, and then sorts by hire date, and outputs to console.
4. The `Employee` class has overridden the `equals` method. In the place indicated in the code, override the `hashCode()` method too. Use any technique of overriding `hashCode` that was discussed in the Lesson 7 slides.
5. Make sure your `Comparator` implementations are consistent with `equals`.