Assignment 3 Report and Reflection

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Chris: Driver

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Testing approach:

We used this Eclipse for this assignment, so debugging the errors in our code as wer wrote it was fairly easy and efficient. Our code starts with a super class, employee, that initializes the names of the employees and their ID numbers. The faculty class is a subclass of the employee class. This class gets the employee names and ID numbers from the super class and initializes the summer and academic salaries of a faculty member. The staff subclass also extends the employee superclass and in addition to getting the employee names and ID numbers from the superclass, also initializes the hourly wages and weekly hours of a staff member and later in the code returns the annual salary of a staff member. We did not have any program bugs in our assignment; the ease of quickly dealing with issues through Eclipse was great in ensuring that our code ran smoothly without any bugs. The EmployeeDemo class showed that our program ran smoothly as well. We were able to print out the correct output with no bugs.

Reflection:

Overall the process of writing this assignment went quite smoothly. We had a well plotted out pseudo code, which made it easy to hammer through the actual java code. We ran into a few syntax errors when writing the “toString()” method, but we through the help of Oracle and Stackoverflow, we were able to correctly write our toString method. The main trouble spot for us was figuring out how to implement our compareTo method in conjunction with sorting the array. It took several trial and error segments to find out how to correctly implement the sort function in conjunction with the compareTo, but in the end, we were able to correctly write the two functions and the code ran without a hitch. We learned that Eclipse is a much easier program to use when writing out code and we worked better on this project in our roles as Navigator and Driver compared to previous assignments.