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Memo – Homework 1

      As I have not worked with Object-Oriented Programming (OOP) in a long time, this assignment was a good callback to my past OOP projects. I built unit tests for code for the first time through this homework, so learning about the unit testing was a great experience. The only thing hard about the unit testing was figuring out the way to assert the ouput of the void functions, and unit testing the main function. Another hard part about the homework was learning maven to build my project, and making the test work in maven. The assignment is complete, and all the test passes and the project is built using maven. There are about 144 lines of code, and 186 lines of code in unit tests. The unit test coverage was measured on Eclipse inbuilt tool, and the coverage is 98.6%. The McCabe Cyclomatic Complexity (avg/max per method) is 1.302 with standard deviation 1.152, and it was calculated with Eclipse Metrics Plugin. Overall, it was a great learning experience.