

Lab 5:
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Question 1: The process of TDD development involves writing a test, writing code to satisfy only that test, and then refactor previous code as needed.

Question 2: I think that it increases confidence because the tests must pass before more tests are written. Further, instead of directly tackling the algorithm head-on, this breaks the algorithm into smaller, more manageable chunks. The aspect of refactoring after every test also improves code quality.

Question 3: One of the advantages of TDD is the ability to complete small tasks before completing larger tasks. Eventually, the code reached a point where the task was completed for all future tests, and we could just refactor the code that we had to be more efficient. This sequential ordering of test --> code reinforced that the code actually worked as we had more and more tests. A disadvantage to this method is that TDD seems to be slow and tedious. Further, we attempted to alleviate the tedium by copy-pasting some of the tests and this added room for error when things weren't changed between tests.