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Lab 5 – Test Driven Development

1. Test driven development is the practice of creating a test and then developing just enough code for that test to pass.
2. By writing and fulfilling test the programmer has the confidence that each addition to the program is performing in the way that it is intended to without inhibiting the functionality of the other features. Additionally, the process keeps code concise and clean by making only minor changes to the code base for each new test. This approach makes refactoring as you go much easier.
3. This lab has helped to show the merits of TDD in the forms of increased developer confidence, improved code quality, and development productivity. It has however accentuated the fact that TDD takes a slight amount of additional time and should not be used for trivial tasks.