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Lab 5 Answers

1.TDD is a repeating process of writing tests for expected values, and then writing code to produce those expected values. In addition to this process, refactoring should take place fairly often, and the tests can be rerun to make sure that new bugs have not been introduced.
2. A) I believe that it does increase confidence in your code simply because it's a large morale boost to see the green bar, because after proceeding with TDD, that green bar means you've been successful and you are confident in your code once you've seen that green bar if you know you've been comprehensive. If test cases that you've written begin to be passed before you have changed whatever you are testing, this also boosts confidence due to the knowledge that the method you wrote is robust.
B) Overall code quality is not necessarily increased for programmers who have used good processes in their development before using TDD; however, TDD helps newer or less experienced programmers increase their code quality through refactoring steps and introduces process into the programmers style of coding. Instead of simply starting, a development process guides the development of the code.
3. Advantages consist of knowing exactly what you are trying to complete, a little morale boost every time you pass a test you've written. Disadvantages include messing up a test, and having to spend time realizing that the test you wrote is wrong. Disadvantages also include that it's sometimes more time consuming, especially for simple programs.