

### Lab 5 Questions

[Question 1 (4 pts)] In your own words, explain the process of TDD.

Initially writing the tests for code so that the program always passes the test cases, even simplifying the code to not necessarily pass other cases not tested yet.

[Question 2 (6 pts)] TDD proponents claim that it benefits software development. The advantages that are often associated with TDD are that (a) it increases the confidence software developers have in their code, and (b) it improves overall code quality. Do you agree with these claims? Justify your answer.

Yes, seeing test cases pass creates a feeling of confidence in the code and TDD helps insure that that smaller portions of your code work as intended, which improves code quality a whole.

[Question 3 (5 pts)] Based on your experience with this lab, please specify advantages and disadvantages of TDD.

TDD seems to be useful in insuring that smaller portions of your code work as intended, but takes quite a bit of time to successfully implement which may not be needed (especially for less complicated and simpler programs).