Lab 5

Daniel Schepers and Adam Westerman

1. Test driven development- figure out what you want your software to do, write a test case that tests that functionality, and then write the code necessary to pass that test.
2. Yes, because the incremental testing methods used in TDD ensure the programmer that his or her code is functional at every stage of the programming process, and therefore in every stage of the software's life. Also, the programmer is aware of any side effects of code refactoring immediately, made evident by old test cases that no longer pass after adding/changing code.
3. Advantages- TDD makes obvious any side effects of refactoring code. It also allowed us to think of what we wanted our software to do before we worried about how to do it.
   Disadvantages- for algorithms that are not very complex, it is easier to write the code in full, then write the tests in full, then diagnose any problems.