Lab 5: Eclipse & JUnit

Test-Driven Development

1. The idea of Test Driven Development is that the developer writes tests that fail that demonstrates the desired behavior of the program being developed. The developer then writes code that passes the tests.
2. These claims are accurate. By coding more carefully and methodically, the developer can insure that all test cases are accounted for and makes debugging almost none existent.
3. Some advantages are that code is usually of a better quality and it saves time on debugging. Having to constantly write tests and refactor code makes the code more efficient and helps developers catch flaws in algorithms before getting into a project. Some disadvantages are that it is tedious and takes a lot of time. Having to go back and forth between testing and coding takes more time than just coding and then testing. This may have only been because of the simplicity of the Lab example.