

COMP 1451 Lab 4-b (10 points)

Take-home lab

Note that this material is in Chapter 7 of Edition 5, Chapter 6 of Edition 4.

This lab requires you to work on your own to create a test class for the “calculator-engine” project from the Chapter 7 folder on your textbook CD. (Also available on the BCIT network J: drive.)

Sections 7.5 through 7.10 of your text describe a debugging and testing scenario for this project. You will work through these sections of the book (including all the exercises) to get practice testing someone else’s code. Finish up by creating an automated unit test class for the CalcEngine. (The instructions for how to do this are in section 7.4.)

Your test class must provide tests that show the weakness of the CalcEngine. You are not expected to fix the errors. Each test method must end with an assert statement.

Keep in mind that you are simulating the use of a calculator, i.e. to enter a multi-digit number you must invoke the appropriate method once FOR EACH DIGIT.

Document your tests, i.e. write descriptive comments for each test case.

The take-home lab is due before midnight the night before the next class. Upload it to the appropriate D2L dropbox. A suggested solution will be discussed in class and labs not already in the dropbox will not receive any points.