**Lab 3**

**Exercise 1**

The algorithms are implemented in the operations.c file and structs are implemented in the structs.h file.

The test for the algorithms were carried out by a implementing a test method for each of the operations for the binary tree. The tests were called in main with a root node and an expected value as parameter. The purpose of the expected value was to be compared with the return value of the operation to see if the algorithm worked as intended.

The main page is a bit messy so the load\_files and sorting problem are instantiated using the same node as root. To test the algorithms for a binary tree with other values it is possible to change the values of the insertion methods and then the second parameter for the test methods which is the expected value. Note that the load\_files implementation in main has to be commented out for the tests to work and return the correct values.