# Lab #3 COSC 20803 Fall 2022

## Due: Tuesday, November 1

Using BinarySearchTree.java as a starting point, add appropriate methods and then replace the main method with one which will read from standard input and write to standard output. Each line of input will contain an operation on a binary search tree containing Integer data; i.e.,

| COMMAND | ARGUMENT | MEANING |
|---|---|---|
| ADD | integer | Insert the integer |
| DEL | integer | Delete the integer |
| HGT | | Print the height of the tree |
| PRE | | Print the nodes in preorder |
| POST | | Print the nodes in postorder |
| IN | | Print the nodes in inorder |
| LEVEL | | Print the nodes in level order |
| CLR | | Reset the BST to an empty tree |
| END | | Terminate the program |

In D2L, submit the revised BinarySearchTree.java file

25% of the grade will be allocated to

- Well structured
- Thoroughly documented
- Appropriately named variables and methods
- Properly indented