

CS 2412 Data Structures  
Fall, 2007

**Lab 7:**

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Time and location: Mon 9:30 - 10:30 a.m., AT 3001

Web: <http://peace.lakeheadu.ca/cs2412.html>

You have implemented a binary search tree in assignment 3. The following questions asks you to modify the algorithms.

- Simplify the tree node so that each `TreeEntry` just contains an integer key.
- Change your algorithms so that the tree allows repeat keys. Now the insertion rule is: if the new key is less than or equal to the key at the node, then go left. Otherwise go right.
- Use your program to insert the following sequence of keys: 12, 45, 21, 3, 6, 2, 3, 8, 45, 4.
- Use inorder traversal to print out these keys. (They should be sorted, if your algorithms are correct).