Data Structures 10/14/2016

0145-343-001

Note Taker: Jai Punjwani

ANNOUNCEMENTS

10/21 – Midterm (to consist of:

1. Anything that was on quiz
2. Writing a c++ class
3. Implementing a stack class (possibly via an array)
4. Writing or tracing a queue (linked list)
5. Trace program (stack, queue, or linked list)
6. Writing/tracing recursion
7. Trace linkedlist operations
8. Infix/postfix/prefix

NOTES:

PowerPoint: <http://home.adelphi.edu/~siegfried/cs343/343l5.pdf>

Binary Tree – finite set of elements that is either empty or is partitioned with the structure of a tree (root, which has left and right subtrees). Note binary means that there can only be two subtrees for a given root. Additionally, subtrees can ONLY BELONG TO ONE ROOT, meaning they have to be disjoint.

Processing binary trees usually involves recursion !