8-26-15 Data Structures Notes

Binary Search Tree Deletion

1. Node to be deleted has no children.
   1. Delete memory of node
   2. Set parent’s appropriate pointer to NULL
2. Node to be removed has one child
   1. Set parent’s appropriate pointer to node’s one child
   2. Delete memory of node
3. Node to be removed has two children
   1. Find minimum value in Right sub-tree
   2. Replace the value of the node to be removed with that minimum. Now there is a duplicate of that number
   3. Apply remove to the right sub-tree to remove a duplicate