**Q 4.3** (pg. 109 *Cracking the Coding Interview, 6th Edition*)

Given a binary tree, design an algorithm which creates a linked list of all the nodes at each depth (if you a tree with depth D, you’ll have D linked lists)

*Hint 1*: Try modifying a graph search algorithm to track the depth from the root

*Hint 2*: A hash table or array that maps from level number to nodes at that level might also be useful

*Hint 3*: You should be able to come up with an algorithm involving both depth-first search and breadth-first search.