

Worksheet Quiz
CS 241 Data Organization using C

Fall 2018

1. For the first tree given on the tree worksheet, what is the BFS visited list? **ABDFCGE**
2. What's the worst case run time of searching an unsorted, array-based queue? $O(n)$
3. What's the worst case run time of searching through a sorted array? $O(\lg(n))$
4. What's the worst case run time of reversing a doubly linked list? $O(n)$
5. What would the tree look like if the run time for searching the tree is $O(n)$? **Unbalanced or a linked list**