

CS 758/858 Homework 8: Tries
for Tue Sep 29 2026

These are some suggestions to help you prepare for quiz 8.

1. How many subsets are there of a set containing n elements? Let's say that the entire set and the empty set count as subsets.
2. Write pseudocode for a function that, given a linked list of items, prints all possible subsets. You should include the entire set and the empty set. Prove its running time is optimal.
3. Write pseudocode for a function that, given a trie of strings and a target string, prints all strings that are within one edit of the target. An edit can be an insertion, a deletion, or a substitution of one character. You should print the target too if it's in the trie.
4. Problem 12-2 from CLRS.
5. Exercise 14.1-6 from CLRS.