

Some review notes for the CS120 final. The final is comprehensive, but these only cover material since the last exam.

Be able to write a recursive function.

Understand and identify the importance of the termination condition in a recursive function.

Use the operators: *, &, and -> with pointers.

Understand and use *NULL* with pointers.

Understand and use *new* with pointers.

Understand how a linked list operates.

Write a node class for a linked list.

Write a function to print a linked list.

Write a function to determine if a particular item is in a linked list.

Write a function to add an element to a linked list.

Explain the algorithms used to search a sorted and unsorted list.

Know and explain the time complexity (or 'Big-O') for searching a sorted or unsorted list.

Describe several different ways to sort a list.