

Linked List Exercise 1

This lab exercise will familiarise you with the workings of a linked list in C. You are to use the function code that you were given in your notes and add to that to create a working program.

Steps:

Create and initialise 2 nodes at the beginning, one being the head node.

Write a menu that outputs the following choices to the user:

- 1) Add a new node to the start of the list
- 2) Add a new node to the end of the list
- 3) Display all of the nodes in the list
- 4) Display the length of the list (write a length function)
- 5) Search the linked list for a data value and output whether or not it was in the list.

Write the C code needed including functions for each menu item to complete the program.