

## **COMP1711 Worksheet 8 – Modular programming**

### **General points**

The linked list code can be downloaded from the Worksheets section in Week 8.

This code is arranged in several source code and header files and compiles with a Makefile.

This work is best completed on a linux machine on the command line – you will not learn how to use ‘make’ through CodeBlocks or VScode.

### **1. Build the application**

Unzip the folder and inspect the contents. There should be several source (.c) and header (.h) files and a Makefile.

Open the Makefile in an editor and check that the list of source code files and dependencies is correct.

Open a terminal and navigate to that folder.

Type ‘make’ and the application should build.

Open one of the C source code files and make a small edit. This can be to add a comment for example.

Type ‘make’ and you should see that only that one file is recompiled.

Run the application and verify that it executes correctly.

### **2. Adding functions**

For Worksheet 8 you added a function to the application.

Consider which source code file is an appropriate place to add the function and modify the source code file and relevant header file.

Rebuild the application and test that your new version of the code works correctly.