

COMP1511 PROGRAMMING FUNDAMENTALS

# LECTURE 14

Command Line Arguments,  
Multi-file programs (libraries)

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WHERE IS THE CODE?



**Live lecture code can be found here:**

[HTTPS://CGI.CSE.UNSW.EDU.AU/~CS1511/22T1/LIVE/WEEK08/](https://cgi.cse.unsw.edu.au/~cs1511/22T1/LIVE/WEEK08/)

# MULTI-FILE PROGRAMS

As programs get larger, breaking source code into files can help make our code easier to read

# MULTI-FILE PROGRAMS

In C, we use header files (.h) to declare what it's module can do, and implementation files (.c) to declare how to do it.

# MULTI-FILE PROGRAMS

If we have two files to compile, we can use:

```
gcc file1.c file2.c -o program
```

# MULTI-FILE PROGRAMS

This is how external libraries are created!

Let's see it in action



# Feedback please!

I value your feedback and use it to pace the lectures and improve your overall learning experience. If you have any feedback from today's lecture, please follow the link below. Please remember to keep your feedback constructive, so I can action it and improve the learning experience.

<https://forms.microsoft.com/r/dKssTn3AU4>

# WHAT DID WE LEARN TODAY?

LINKED LIST

Traverse a list

linked\_list.c

LINKED LIST

Insert anywhere

linked\_list.c



# REACH OUT



## CONTENT RELATED QUESTIONS

Check out the forum



## ADMIN QUESTIONS

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