

Week 05 1
CSC209 Fall 2023

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Announcements

- Still have Lab 5 on Friday
 - only released it today
- A2 is due next Wednesday
 - Zoom-based office hours to start
 - * with the TAs
 - * 9 total hours available
 - At the end of this week
 - * will be on quercus shortly
- Will update quercus with missing code
 - this week

Finishing struct

`structs.pdf`

(Binary) File I/O

- there are only 3 major open modes
 - “r”, “w” and “a”
 - * read, write, and append (write at end)

- historically, and on some not POSIX compliant systems
 - * we *add* “b” to any of these
 - * to skip newline formatting
 - or to handle it correctly
- We can always add a “+”
 - which means potentially both read and write

So what is text versus binary

- text means you need to make strings
 - C-strings since it’s C
 - to represent *anything* that you will write
- A text file is one which all data
 - **is first converted to arrays of chars**
 - * and then you write those arrays

binary versus text file

- text files are *a kind* of binary file
 - one that can be understood
 - as a single long character array
 - * ending in a single character
 - EOF (26) instead of ‘\0’ (0)
- binary files *in general*
 - are just the contents of **any memory**
 - * stack, ROM, heap, whatever
 - written to a file for later!

WORKSHEET

literals.pdf