Lecture 14: May 3, 2023

Reading: zyBooks text, §9.4 **Assignments:** Homework 2 and Extra Credit 2, due May 10

- 1. Announcements
 - (a) Tutoring available from the CS Tutoring Club; sign up information in an announcement
- 2. Files
 - (a) Review files and file pointers mention file descriptors as underlying mechanism
 - (b) Standard I/O library (stdio.h)
 - (c) Standard input, output, error (stdin, stdout, stderr)
 - (d) Opening, closing files (fopen, fclose)
- 3. Reading, writing characters and lines
 - (a) Reading text data as lines (fgets, gets do not use this!)
 - (b) Reading text data as characters (fgetc, getc, getchar, ungetc)
 - (c) Writing text data as lines (fputs, puts—latter adds a trailing newline)
 - (d) Writing text data as characters (fputc, putc, putchar)
- 4. Reading, writing text data with a fixed format
 - (a) Reading in text data with a fixed format (fscanf, scanf)
 - (b) Outputting text data with a fixed format (fprintf, printf)