# Outline for April 23, 2025

**Reading:** *zyBooks text* §9.1, 9.4, 12.17, 12.19; *Shell text* , §9          **Due:** Homework #2, due April 30, 2024

1. Converting strings to numbers
   (a) *strtol*, *strtof*, *strtod* [*conv2.c*]

2. Converting numbers to strings
   (a) *sprintf* [*numtostr.c*]

3. Permissions in Linux/Unix
   (a) Permission bits
   (b) `umask`

4. Reading/writing/appending files
   (a) File pointers
   (b) Opening, closing a file
   (c) Handling errors
   (d) Reading, writing text files [*printfile1.c*, *printfile2.c*, *printfile3.c*, *printfile4.c*, *printfile5.c*]