

## Outline for November 12, 2020

**Reading:** §7

**Assignments:** Homework 3, due November 13, 2020

---

1. File Input and Output for text files
  - (a) Opening and closing: `open(filename, mode), close()`
  - (b) Reading: `readline(), readlines(), read(), read(n)`
  - (c) Writing: `write(str), writelines(list)`
2. Examples
  - (a) Print out a named file [*fileio-1.py*]
  - (b) Print out a named file and prepend line numbers [*fileio-2.py*]
  - (c) Store the output in *filename.lst* [*fileio-3.py*]
3. Examples
  - (a) Put lines in a file in random order [*randlines.py*]
  - (b) Read in a list of words from a file, then search it as requested; similar to linear search program [*search-1.py*]
  - (c) Now see how many words you checked total [*search-1c.py*]
4. Word count programs: reading from files