Outline for November 10, 2020

Reading: §7, 9 Assignments: Homework 3, due November 13, 2020

- 1. Example: word frequency count
 - (a) Unsorted, using dget () [wfc-1.py]
 - (b) Sorted alphabetically [wfc-2.py]
 - (c) Sorted alphabetically, but dictionary order (note key=str.lower() in sorted [wfc-2a.py]
 - (d) Sorted by frequency (treat lambda x: x[1] as an idiom to reference the *value* of the dictionary entry, not the *key*—to go from highest to lowest, replace x[1] with -x[1]) [*wfc-3.py*]
 - (e) Sorted by frequency first, then alphabetically—note use of function alphafreq(x); you can use any function here, and the parameter is the item [wfc-4.py]
- 2. Sorting the dictionary
 - (a) sorted sorts based on keys
- 3. Files
 - (a) What is a file?
 - (b) What can you do with it? (For example, read, write, append)
 - (c) Types of files (text, binary)
- 4. File Input and Output for text files
 - (a) Opening and closing: open(filename, mode), close()