

## Outline for November 24, 2020

**Reading:** §4

**Assignments:** Homework 4, due December 1, 2020

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1. Example: reading in a dictionary [*abbrev.py*]
  - (a) Program to replace abbreviations with expansions
  - (b) Version 1: read in a file
  - (c) Version 2: split line into 2 parts separated by a tab character
  - (d) Version 3: create a dictionary with abbreviations as keys and expansions as values
  - (e) Version 4: read in input line and split it into words
  - (f) Version 5: substitute the expressions for the abbreviations and print the line
  - (g) Version 6: make loading the dictionary a function
  - (h) Version 7: add to the dictionary numbers as keys and their words as values
  - (i) Version 8: have the function return a dictionary (so there are two dictionaries)