Outline for November 19, 2020

Reading: §3.7, 4.5, 7.7   **Assignments:** Homework 4, due December 1, 2020

1. Handling exceptions
   (a) `except` [*except0.py*]
   (b) `except` *exceptcode* [*except1.py*]
   (c) `else` [*except2.py*]
   (d) `except` *exceptcode* `as` *msgvar* [*except3.py*]
   (e) `finally` [*except4.py*]
   (f) Exceptions in a function: who handles them? [*except5.py*, *except6.py*]
   (g) Using global variables as error flags [*except6a.py*]
   (h) `raise` *exceptcode* message [*except7.py*]

2. Randomness [*random.py*]
   (a) Pseudorandomness vs. randomness
   (b) `random` returns random number between 0.0 and 1.0 (but never 1.0)
   (c) `randint(`*low,* *high*`)` returns random integer between *low* and *high* inclusive
   (d) `seed(`*n*`)` uses a fixed starting point for the sequence
   (e) `choice(`*seq*`)` returns a randomly-selected element of the sequence *seq*
   (f) `choices(`*seq*`, k=`*n*`)` returns a list of *n* randomly-selected elements of the sequence *seq*
   (g) `shuffle(`*seq*`)` shuffles the elements of the sequence *seq* in place