Outline for January 25

Reading: text, §3.2, 4.14, 12

Assignments: Homework 2, due on February 1 at 11:55pm

1. Conditions
   a. Resolves to boolean value
   b. Literal booleans: True (1), False (0)
   c. Relational operators
      i. Use two arithmetic expressions connected with relational operators to create a boolean
      ii. Relational operators: >, >=, <, <=, ==, !=
      iii. Precedence: resolved after arithmetic operators
      iv. Connectives: and, or, not
      v. 6 > 2 + 3; "UCD" == "Sac State"

2. Indefinite loops: execute until a general condition is false (while)
   a. while [while.py]
   b. Contrast with for
   c. break causes program to fall out of loop (works with for too) [loop1.py]
   d. continue causes program to start loop over immediately (works with for too) [loop1.py]

3. Definite loops: execute a specific (definite) number of times (for)
   a. General form: for i in iterator
   b. Iterator is either list or something that generates a list
   c. Very common form: for i in range(1, 10)

4. range() in detail [for.py]
   a. range(10) gives 0 1 2 3 4 5 6 7 8 9
   b. range(3, 10) gives 3 4 5 6 7 8 9
   c. range(2, 10, 3) gives 2 5 8
   d. range(10, 2, -3) gives 10 7 4

5. Handling exceptions
   a. except [except0.py]
   b. except error [except1.py]
   c. else [except2.py]
   d. except error as msgvar [except3.py]
   e. finally [except4.py]
   f. Exceptions in a function: who handles them? [except5.py, except6.py]