Lecture 16 Outline

**Reading:** Dawson, §2

**Assignments due:** Lab #7 (“Introduction to Python”) due Mar. 1 at 11:55PM
Final term paper due Mar. 3 in class

1. Greetings and felicitations!
2. Review loops and conditionals
   a. Example program: rolling a 20-sided die repeatedly
   b. While loop and sentry variable; the rolldie20-w.py program
   c. For loops; the rolldie20-f.py program
      i. range(n) and range(start,beyond,increment)
3. Strings
   a. Comparing them
   b. Transforming them: upper, lower, swapping case, replacing letters
   c. The strings_xform.py program
4. Loops and strings: the strings_stuff.py program
   a. Breaking a string into individual characters (slices)
   b. Creating new strings; reverse a string