

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