Outline for January 31, 2018

Reading: §6

1. Sequences
   a. Sequences are a series of values in a particular order
   b. In Python predominantly strings and lists but also sets and tuples

2. Strings
   a. Sequence of characters (characters are strings of length 1)
   b. Strings are immutable; really important for functions

3. Basic string operations
   a. +, concatenation for strings
   b. *, repetition repeats given value
   c. len() returns length of sequence
   d. s in str returns True if s is a substring of str, False otherwise

4. Indexing, var[position]
   a. Count from 0 to len(var) − 1
   b. Position can be a negative number to count from right

5. Assignment with indexing doesn’t work as strings immutable
   x = ‘hEllo’; x[1] = ‘e’ produces an error

6. Slicing, var[start:end]
   a. Value at index end not included in slice
   b. If omitted, starting value defaults to 0 and ending value defaults to last index + 1
   c. Can use negative index

7. Looping over strings: for i in str

8. Example program [strstuff.py]