

Outline for November 21, 2012

Reading: *None*

Assignment due: Wednesday, November 30, 2012 at 11:59 PM

1. Review of slicing, `var[start:end]`
 - a. Value at index `end` not included in slice
 - b. If omitted, `start` value defaults to 0 and `end` value defaults to last index + 1
 - c. Can use negative index
2. Example program [*strstuff.py*]
3. Recursion review
 - a. Key point: *Function must call itself within its own body* — if it doesn't do this, it is *not* recursive
 - b. How to do it
4. Example 1: length of a string [*recfun.py*]
5. Example 2: only alphabetic characters in a string [*recfun.py*]
6. Example 3: find largest integer in a list of integers [*recfun.py*]
7. Example 4: make a string from the words in a list [*recfun.py*]
8. Example 5: reverse a string [*recfun.py*]