

Outline for February 10, 2012

Reading: §11

1. Program to print words in a line [*lines.py*]
2. Program to compute some statistics [*addup.py*]
3. What you can do with lists
 - a. Check membership: `in`, `not in`
 - b. `+`: concatenation
 - c. `*`: repetition
 - d. `list[a:b]`: slice list from `a` to `b-1`
 - e. `del list[item]`: delete `list[item]`; `item` can be a slice
4. Objects, references, aliasing
 - a. Assign “banana” to variables `a`, `b`
 - b. For strings, one copy (`a is b` is True) [immutable]
 - c. For lists, multiple copies (`a is b` is False) [mutable]
 - d. For lists, `a = [1, 2, 3]`; `b = a`; then `a is b` is True
 - e. But ... `a = [1, 2, 3]`; `b = a[:]`; then `a is b` is False