

Outline for January 7

Reading: Wentworth *et al.*, §1

Assignments: Homework 1, due on January 18 at 11:55pm

1. About the class
 - a. Instructors and TAs
 - b. Class web site, handouts
 - c. Smartsite and submitting homework
 - d. Homework, grading, and extra credit
2. Programming languages
 - a. High-level languages: semantics and syntax
 - b. Low-level languages: assembly language, machine language
 - c. Compilers, assemblers, interpreters
3. Python
 - a. What is Python?
 - b. Why Python for this class?
4. How to write a program; example is making change
 - a. Goal and general algorithm idea
 - b. Representing data and basic program structure
 - c. Translating this into a programming-like language
 - d. Translating that into Python