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