

Objectives

- Review: Unix, Your environment
- Python and Terminology Review

Typical Class Period Structure

1. Announcements/Administrivia
2. Review in pairs/pods, then as a class
 - May pass out handouts for the day
3. New Stuff

Announcements

- Office Hours this week – Zoom links on Canvas calendar
 - Tuesday: 9-11 a.m.
 - Thursday: 1-3 p.m.

Review

- What are qualities of good software?
- What is a synonym for *directory*?
- What is a *path*? Command-line arguments? Flags?
- How do you find out the path of the current directory?
- How do you go into another directory?

Why the review?

- How do you refer to the current directory, parent directory, and home directory?
- How do you view the contents of a directory? Of a text file?
- How do you create a directory?
- How do you copy a file, rename a file, delete a file?
- How do you search for text in a text file?
- How do you use the output from one command as the input for another?

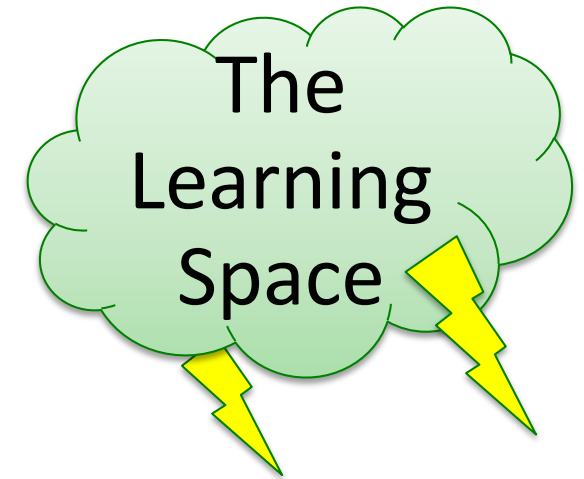
In parallel: Show your completed assignment to Professor Sprenkle.

From Know Your Computer/Programming Environment

- What is the path to your home directory?
 - Make a shortcut to your home directory
- Where are you going to put your files for this class?
- How do you open a terminal?
- Which version of Python are you running?
 - How do you determine that?

What Was That About?

- Comfort with your machine
 - Transition from intro to intermediate
- Other tools are based on Unix
 - If you know Unix, then it makes other things easier
- Instructions for installing software often make use of the command line



REMEMBER PYTHON PROGRAMMING?

Activity Overview: Python Review

1. Find today's assignment → go to that page
2. Read through assignment
3. Read through the code → get the big picture
4. Complete the table and answer the questions in the document.
 1. As much as you can, on your own (I'll tell you when to move on)
 2. With your neighbors
 3. Looking up online

How to Read/Understand New Code?

- This is likely new code
 - A relatively large assignment for 111/112
- Consider: How do you review, e.g., a new text book or web page/web site?
 - What would be the equivalent for new code?

How to Read/Understand New Code

- Don't start from the beginning, reading line-by-line
- Iterate!
 1. Find all the “headings” – class names and their associated doc strings
 2. Find the driver method/function
 - How does this code get started?
 - Where does that code tend to be?
 3. What are the most important classes? How do they interact?
 4. ...

Pause.

Today's Goal is Python and terminology review.
Not to understand this code completely.

Looking Ahead: Before Wednesday's Class

- Complete the Terminology Review