CSE 8A
Week 1 Discussion

EdStem and Python Setup

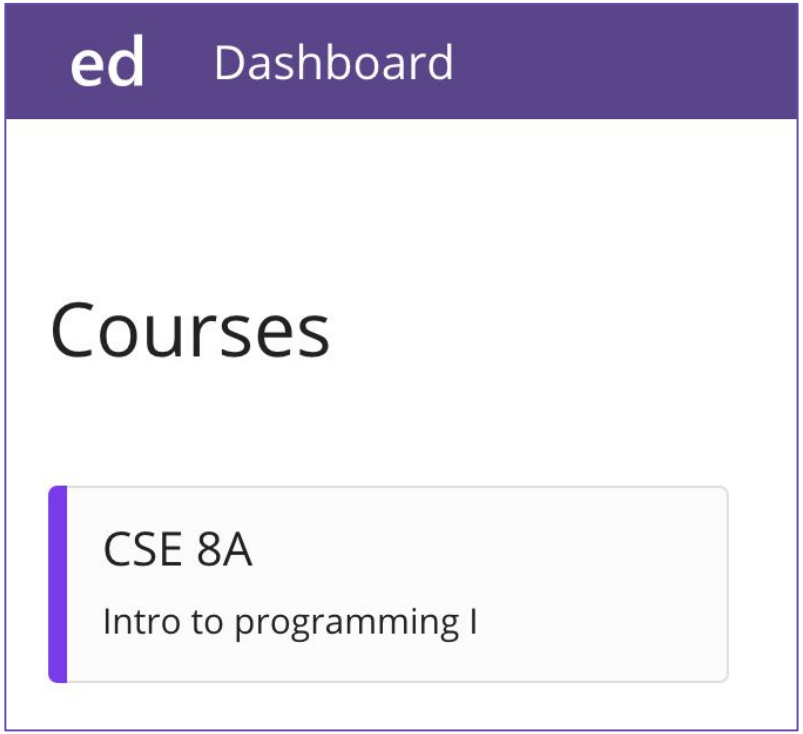
Yuxiao “Sean” Ran

Recap of Lab and PA Logistics

- Weekly labs on Thursdays are mandatory
  - Lab activities + Lab quiz
  - Labs are precursors to the PAs
  - **Lab 1** is tomorrow!
- PAs are usually released on Wednesdays and due on Tuesdays
  - **PA 1** was released yesterday!

EdStem

- Discussion forum
  - Ask any course-related questions
- Online programming environment
  - Workspaces
  - Lessons: Used for PAs, Lab Activities, and Lab Quizzes



Let's get familiar with EdStem: Live Demo!

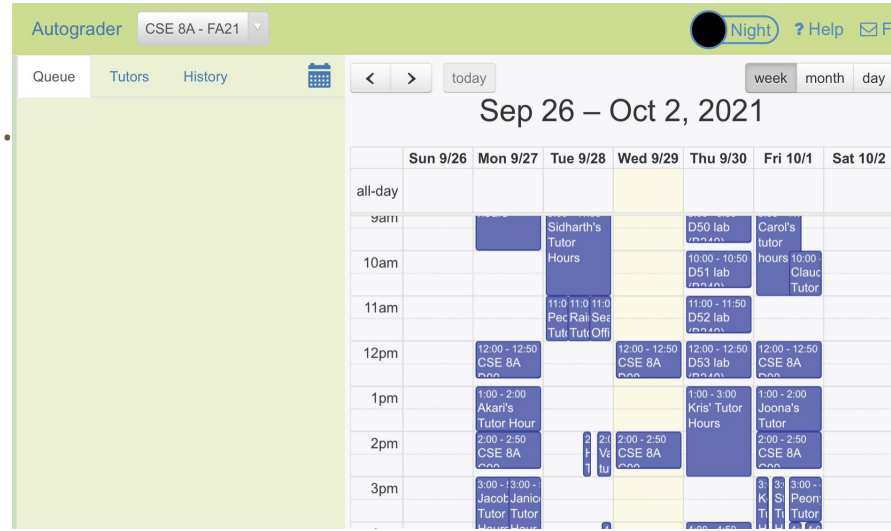
- EdStem Live Demo
  1. Workspace
     a. Start Python in a terminal
     b. Create and run a Python file
  2. Lesson Demo
     a. Mock Lesson: https://edstem.org/us/courses/14060/lessons/23598/slides/135457
     b. There will be a "Lesson" posted for each PA where you will write and submit your code
- You will get more practice with EdStem in Lab 1 and PA 1

Tutor Hours & Autograder

If you have questions while working on the PAs, you can get 1-1 help from a tutor by submitting a ticket at **autograder.ucsd.edu**

Autograder also displays the office hours calendar so you can check when tutors are available.

Tutor hours are in-person at CSE Lab B240.



[Optional] Install and Run Python3 on your computer

This is entirely optional. You can complete all coursework on EdStem without downloading Python on your computer, but we want to give you this option.

Step 1: Install Python3 on your computer

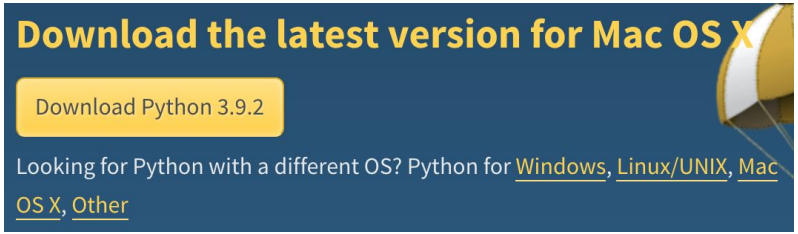
Step 2: Launch IDLE to run Python3

Screenshots adapted from Fall 2020, so your version of Python will likely be higher (>=3.9)

Step 1: Install Python3 on your computer

Download Python3 (not Python2!)

1. Go to https://www.python.org/downloads/
2. Download the latest Python3 version for your computer's OS
   a. E.g. latest version for Windows if you have a Windows computer or latest version for Mac if you have a Mac
3. Find the file in your downloads and click on it to start installation
4. Click through the installation process
   a. If asked to allow Python to make changes to your system, select "Yes"
   b. You may be asked to type in your password
   c. It should tell you the installation completed successfully



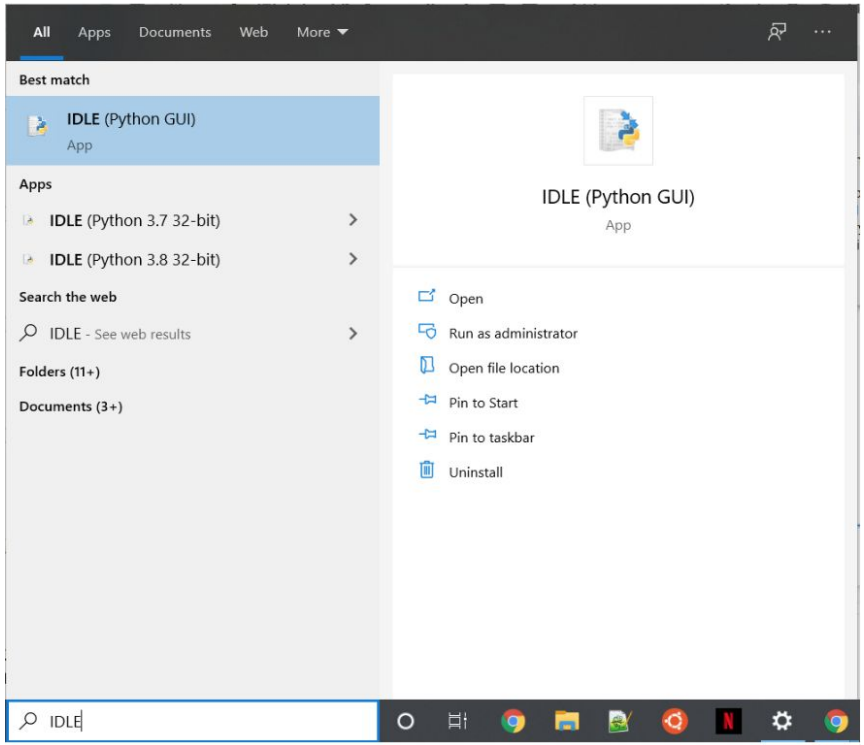
Step 2: Launch IDLE to run Python3

- IDLE is Python's Integrated Development and Learning Environment.
- It is a highly easy-to-use and convenient application that can be used to write and run Python programs.

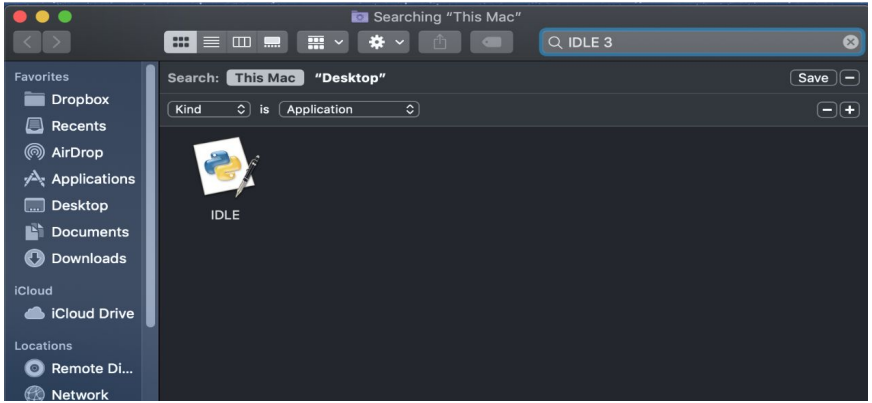
- **Note**: you do **not** need to install this separately. It comes packaged with the Python installation.
- Search for IDLE in your applications

Step 2: Launch IDLE to run Python3

Windows



Mac

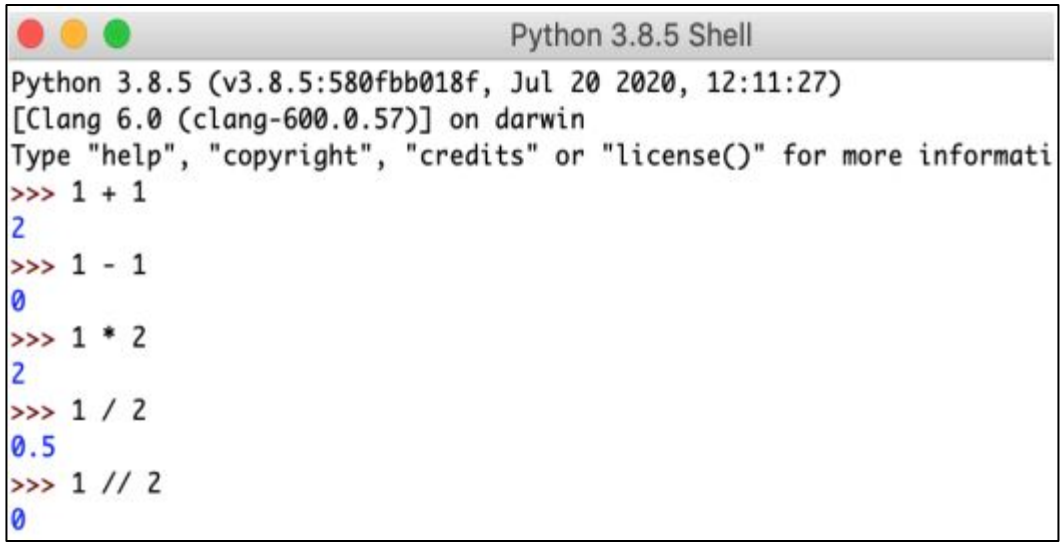


Hello, World!

- This is the interactive shell mode.
- You can see the version of python being used. Verify that it is showing the correct version that you installed (e.g. >= 3.9).

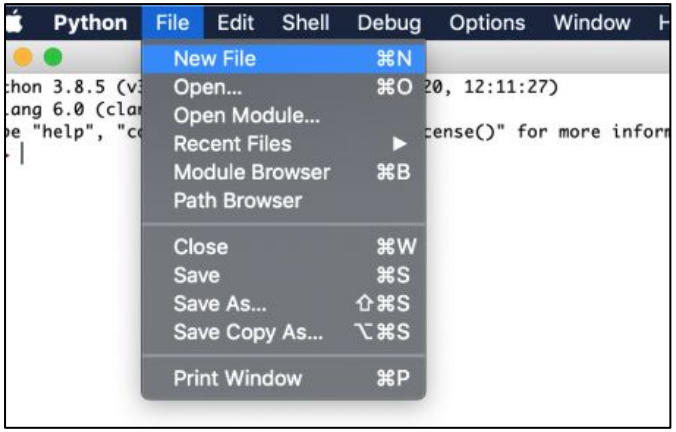
- Try printing a string like ‘Hello, World!’

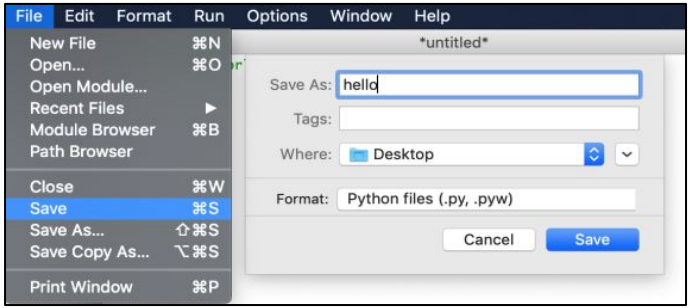
Arithmetic Expressions

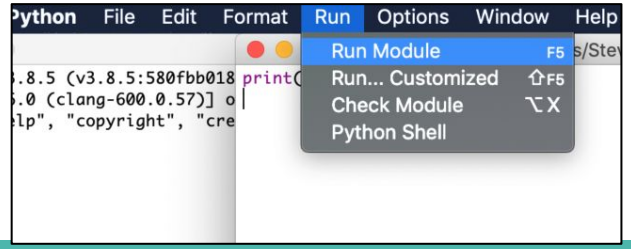


Creating and Running Files in IDLE

- Create new file in IDLE
- Write some Python code in the file
- File → Save, give the file a name
- To run your program, go to
  Run → Run Module







Questions?

Reset demo