Python in 10 minutes

Part 1:
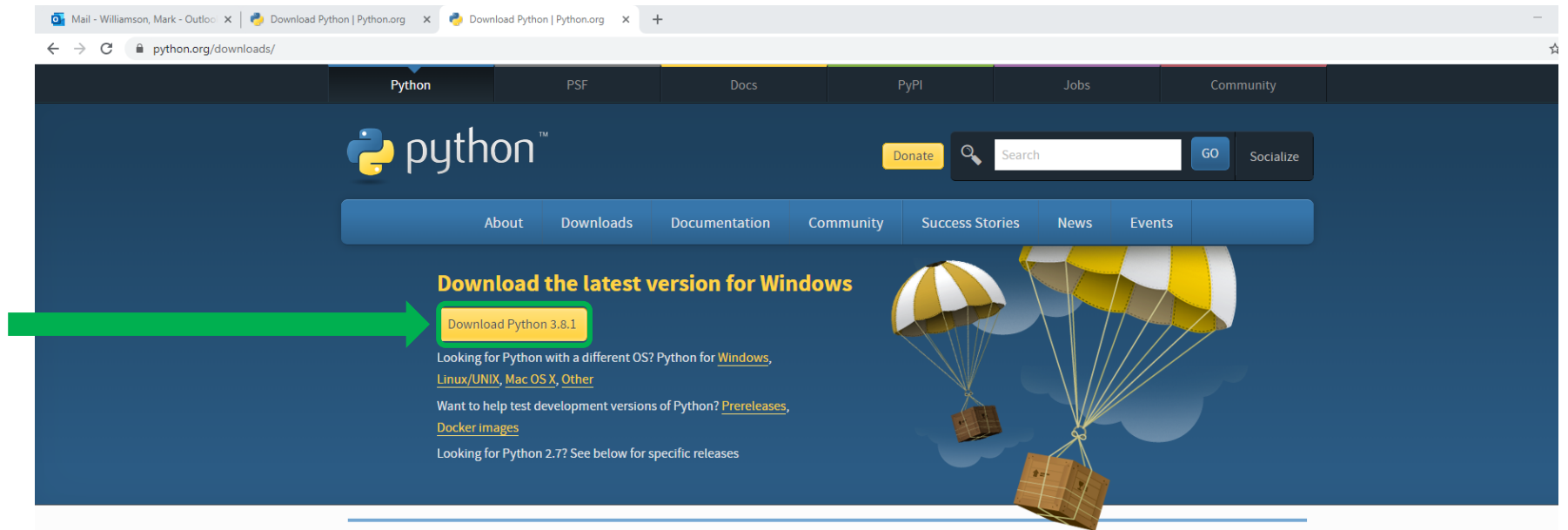
Dr. Mark Williamson

Purpose:

- Quick, bite-size guides to basic usage and tasks in Python

- I'm no expert, I've just used it for various tasks, and it has made my life easier and allowed me to do things I couldn't manually

- I'd like to share that working knowledge with you

Lesson 1: Getting python
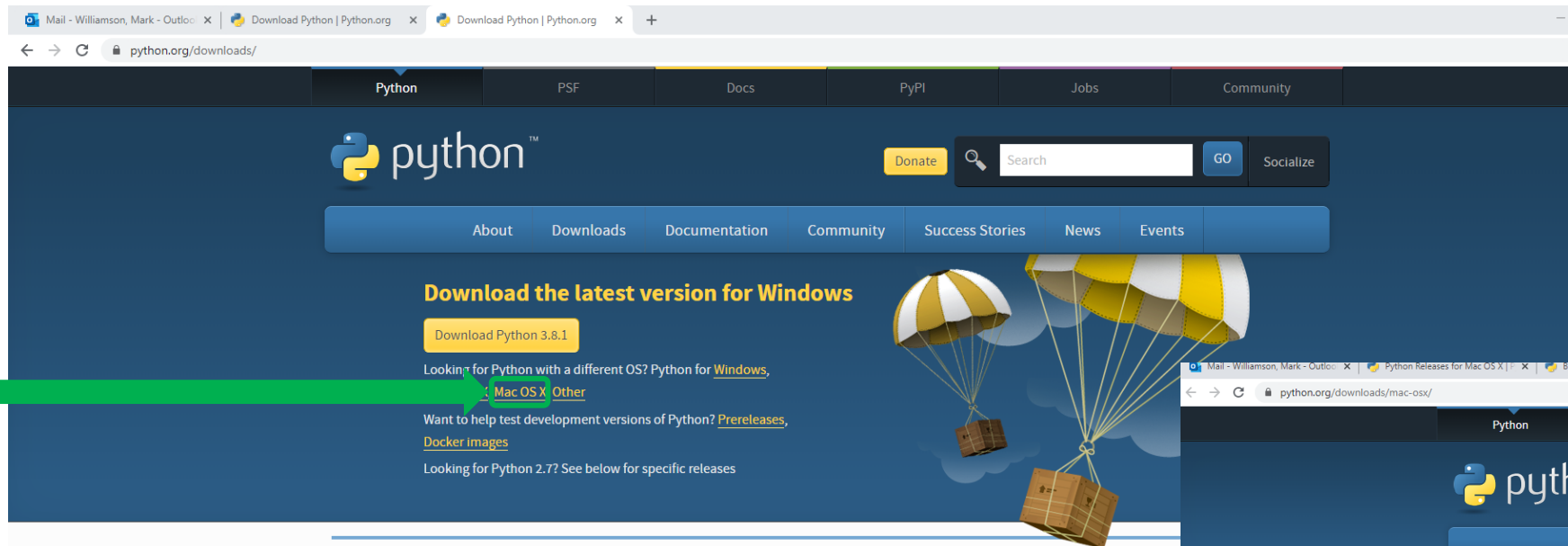
- Windows
- Mac
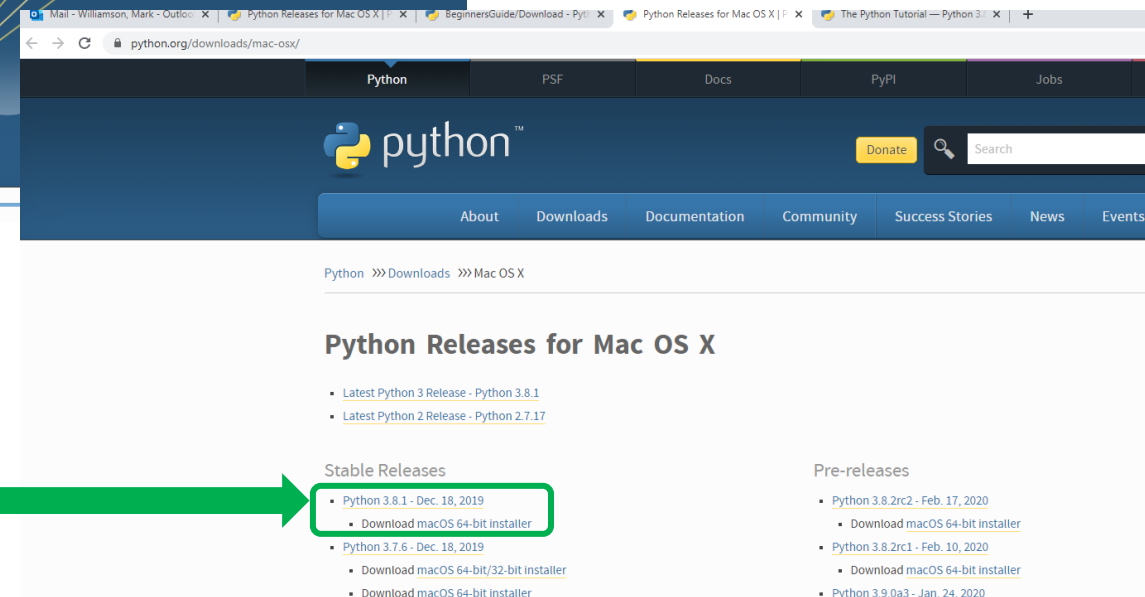- Linux/UNIX
- Other

Getting python: Windows

- https://www.python.org/downloads/

Getting python: MAC

- https://www.python.org/downloads/

https://www.python.org/downloads/mac-osx/

Getting python: Linux

- **For Red Hat, CentOS or Fedora**, install the python3 and python3-devel packages.

- **For Debian or Ubuntu**, install the python3.x and python3.x-dev packages.

- **For Gentoo**, install the '=python-3.x*' ebuild (you may have to unmask it first)

- **For Other**, https://wiki.python.org/moin/BeginnersGuide/Download
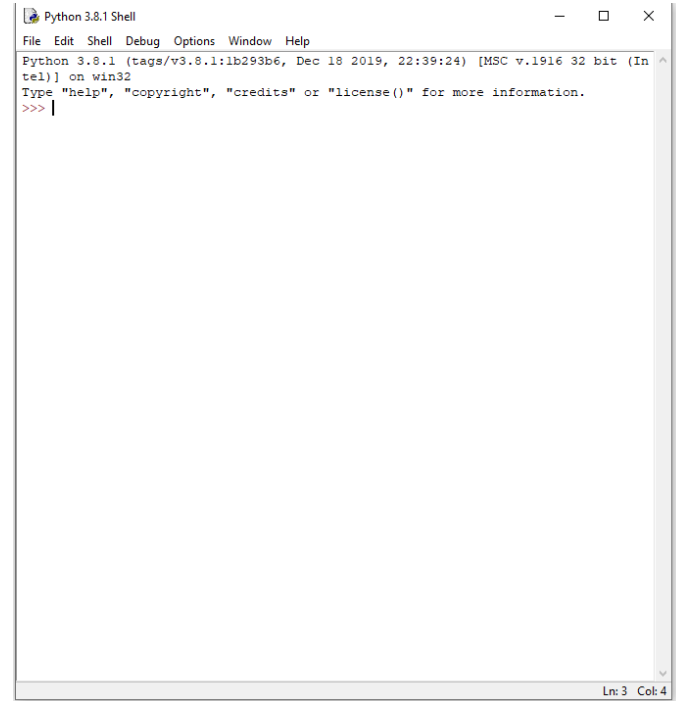
Finding and Opening

- Go to wherever you downloaded python

- It should be a file called Python 3.8
  - The number will be different if you downloaded a different version
  - I'm showing what it looks like in Windows 10
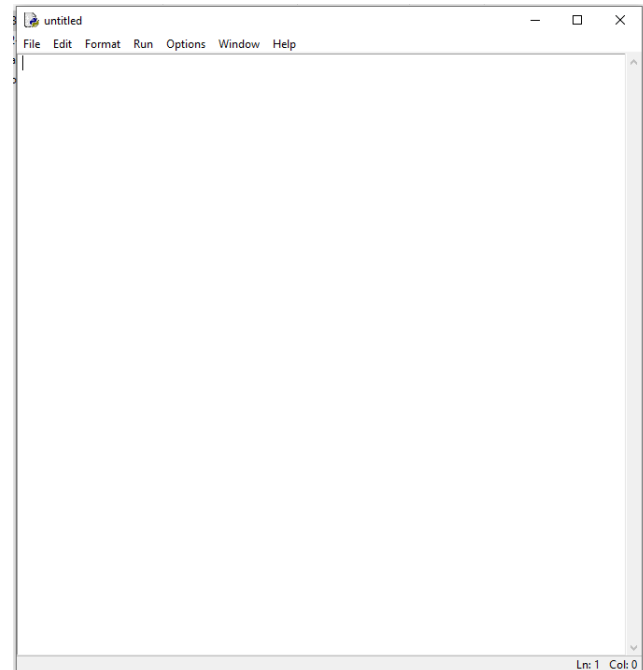
- Inside, there should be 4 items
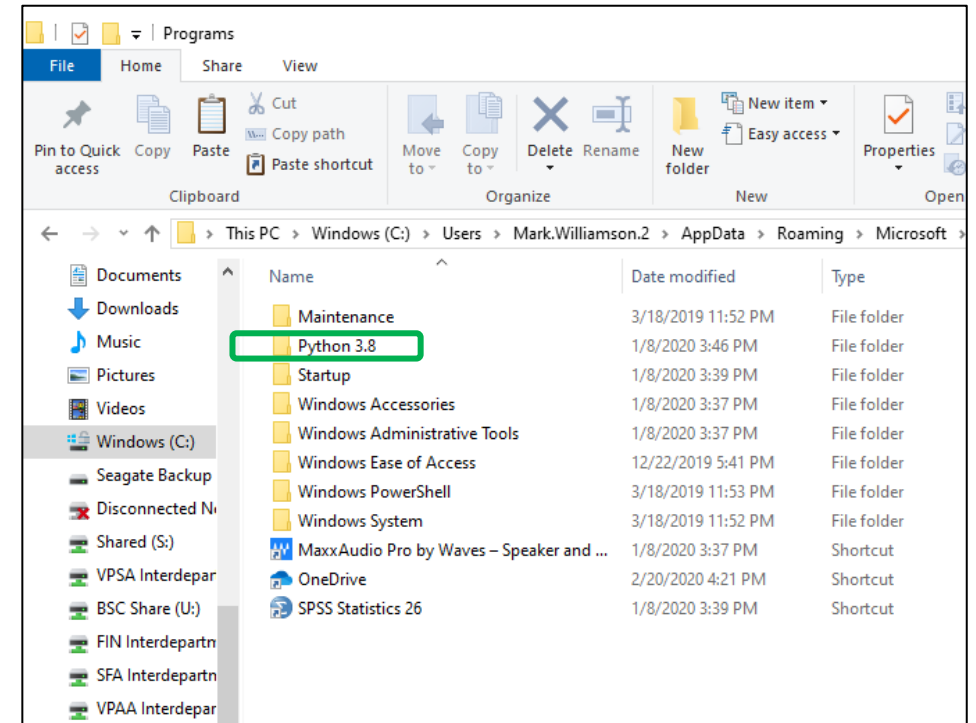
Integrated Development Environment → IDLE (Python 3.8 32-bit)

Actual Python Application → Python 3.8 (32-bit)

Documentation → Python 3.8 Manuals (32-bit)
Python 3.8 Module Docs (32-bit)

IDLE

- This is what I predominately use
  - Opens a shell which you can write in
  - Also can create files to save and run from there (which is what I do)
- To create a file, go to File->New File and an untitled file will pop up
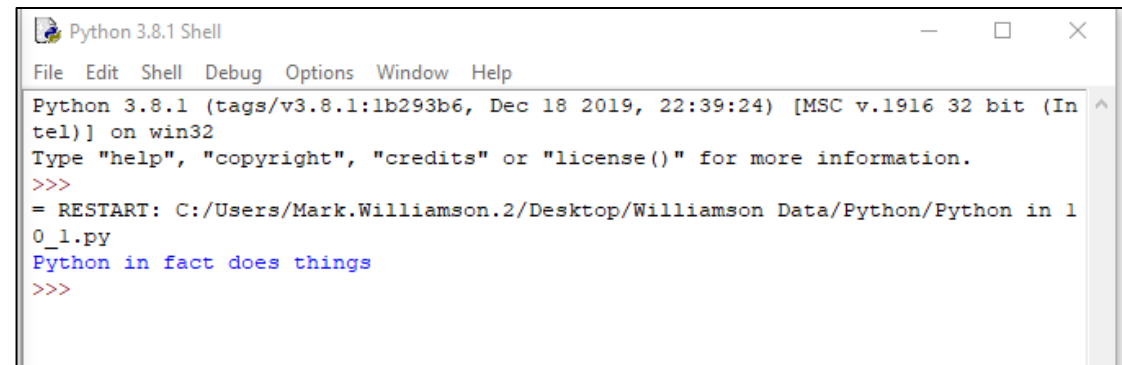
First Program

- Let's print a phrase

- In your untitled file, type the following

    print("phrase you want goes here")

- Before you can run this, you must save
  - I typically save all my python files to a certain location
  - I refer to these files as 'scripts'

- After saving, hit Run->Run Module (F5)

- Your phrase should print out in the Shell

- Congratulations! You've done something in Python!

Script

Shell