Lecture 1: GitHub and Single-processor Computing

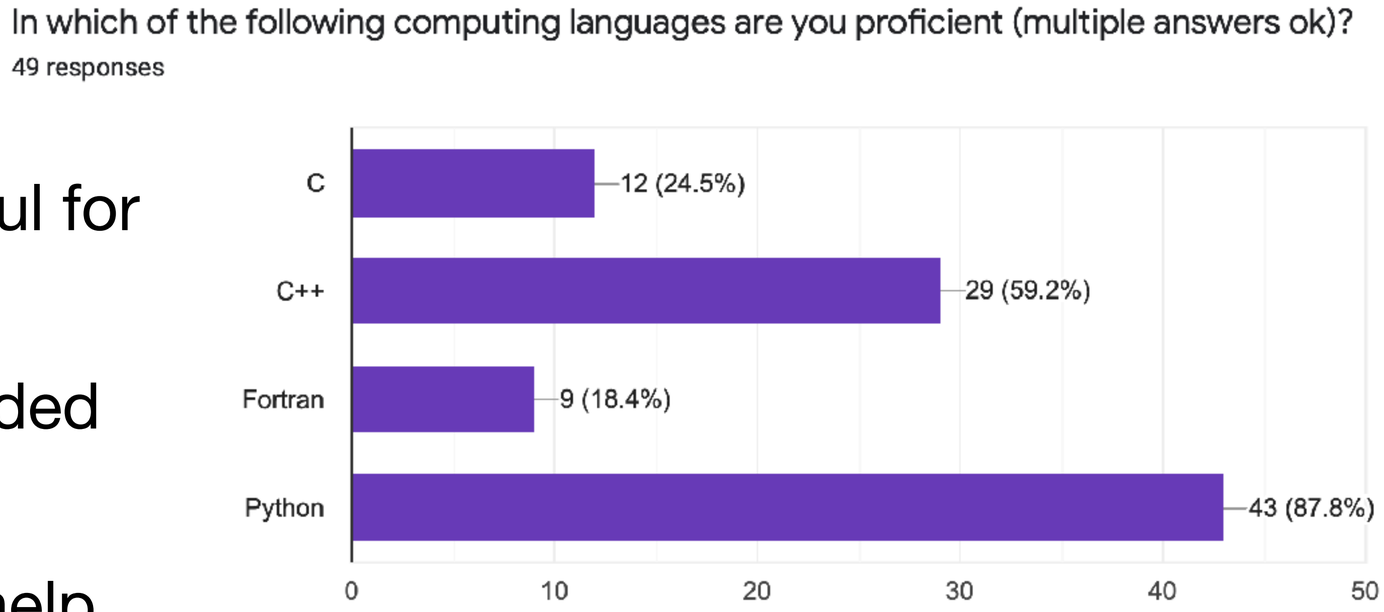
CMSE 822: Parallel Computing

Prof. Sean M. Couch

Survey Results

Language proficiency

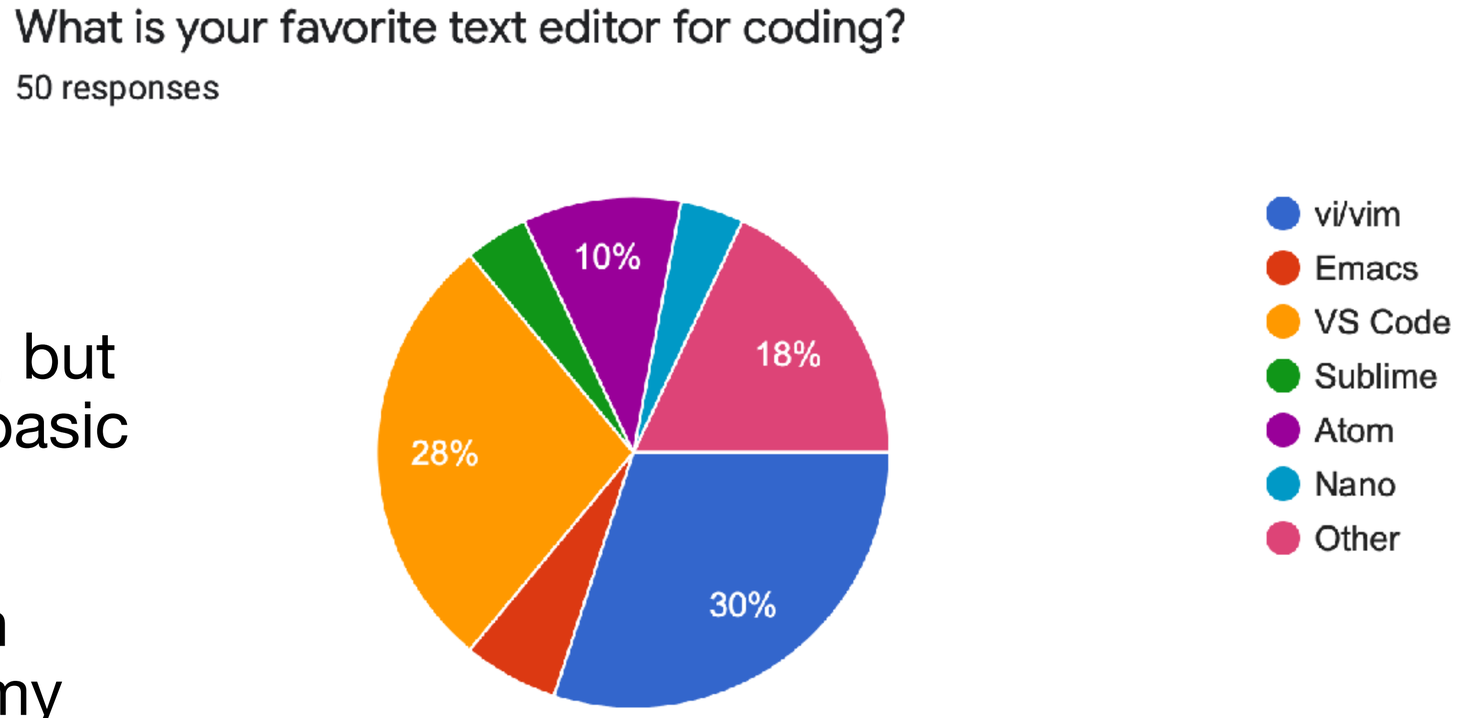
- Python is great! And will be useful for analysis and plotting
- But… compiled language is needed for this course
- Join the #leancpp channel and help each other out!



Survey Results

Text Editor

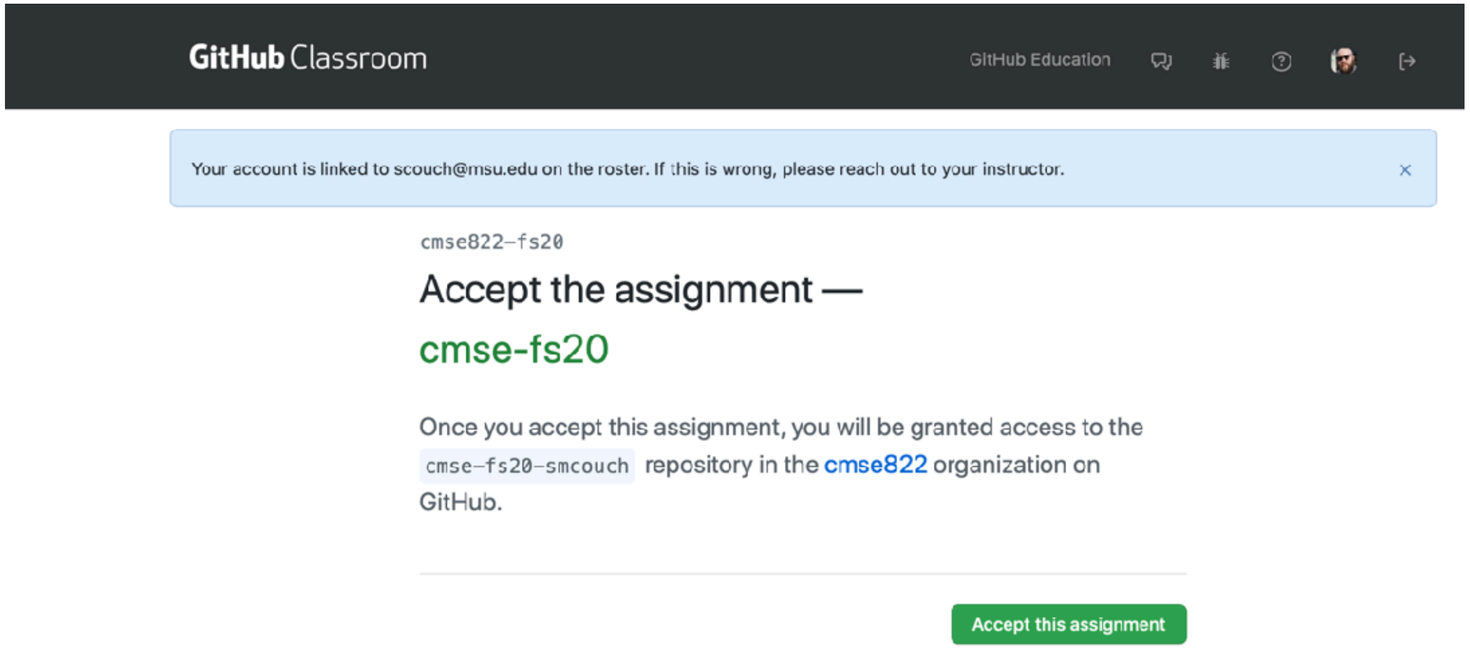
- A good text editor is key!
- Does not need to be a full IDE, but syntax highlighting and other basic coding features really help
- If you are thinking you need an upgrade, checkout VS Code (my current personal favorite)



GitHub Classroom repo

Accept assignment

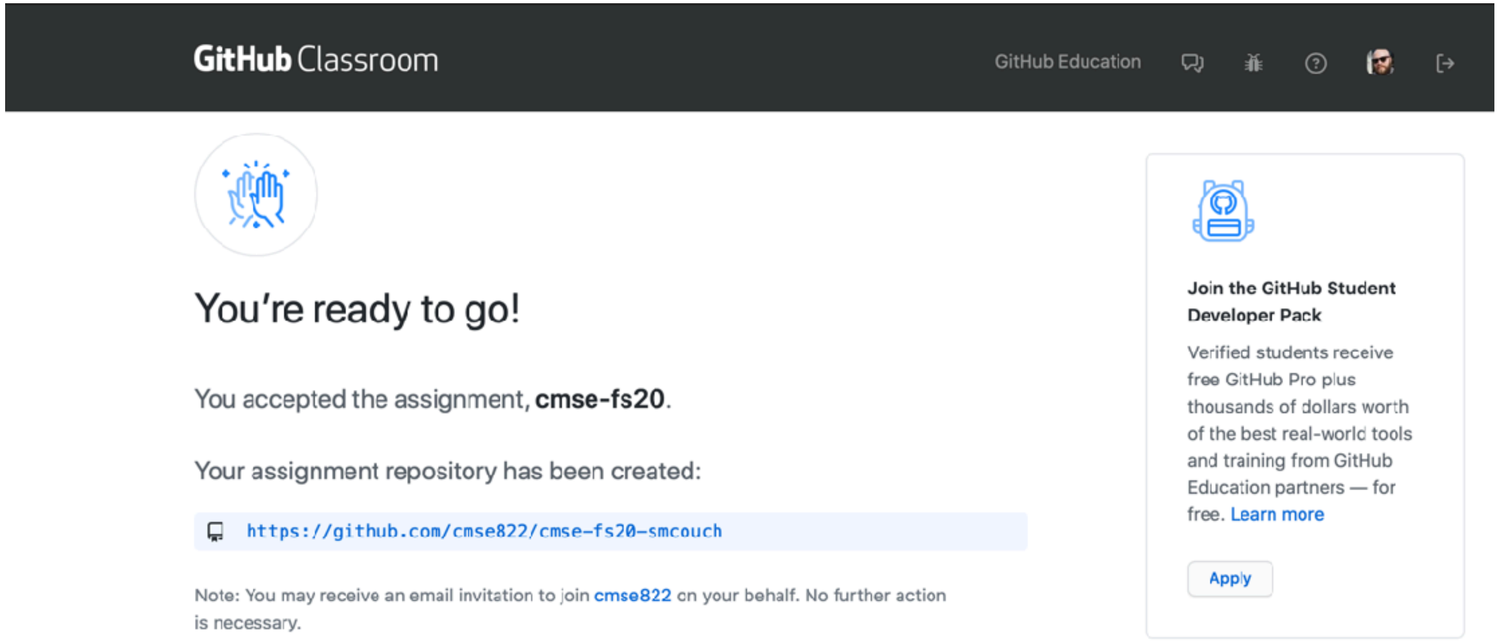
- Go to https://classroom.github.com/a/IMzs-w8d
- Find **YOUR** MSU email address. Do NOT click on someone else's!
- Accept the assignment



GitHub Classroom repo

Accept assignment

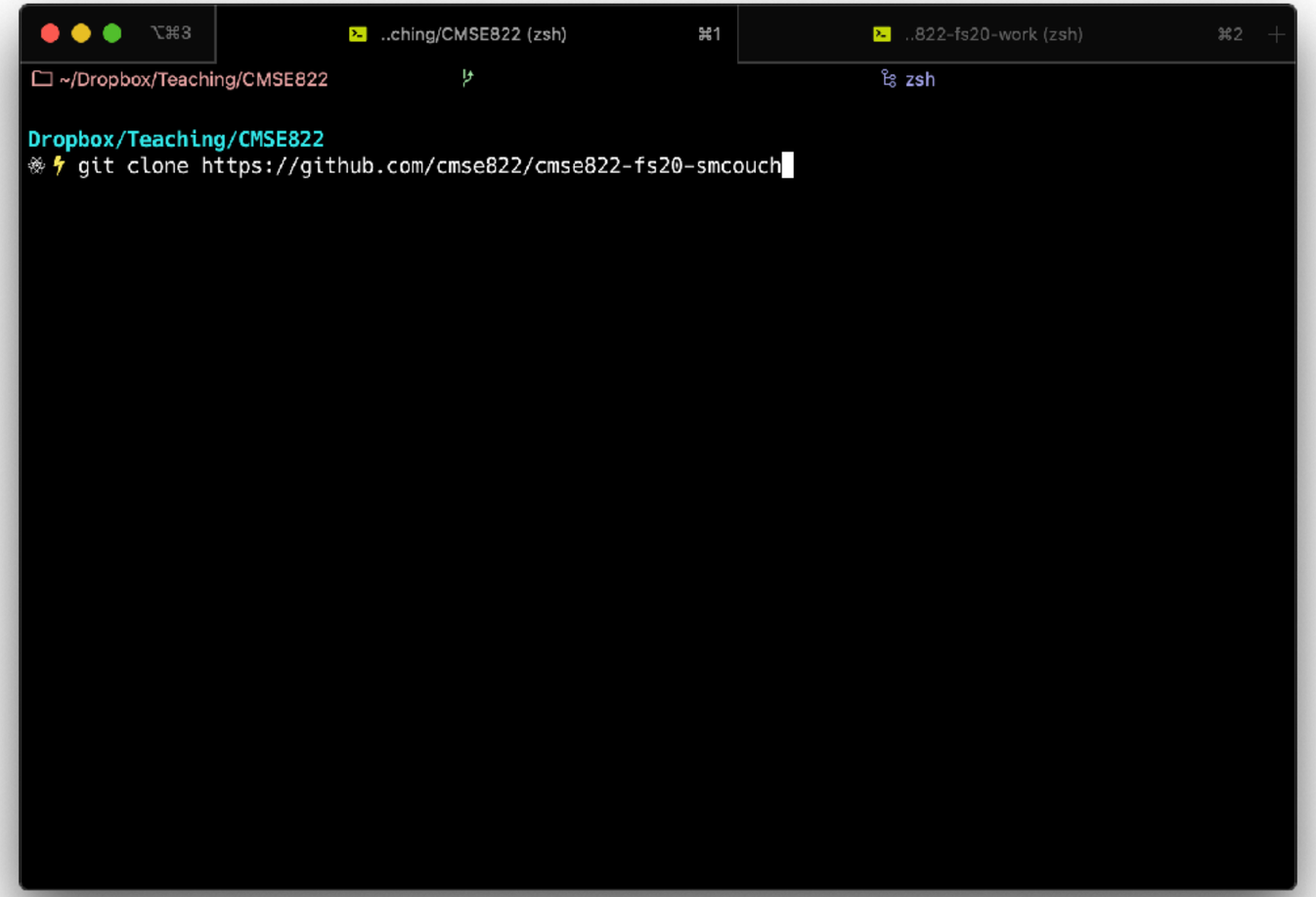
- Go to https://classroom.github.com/a/IMzs-w8d
- Find **YOUR** MSU email address. Do NOT click on someone else's!
- Accept the assignment
- Should look like this:



GitHub Classroom repo

Clone your repo

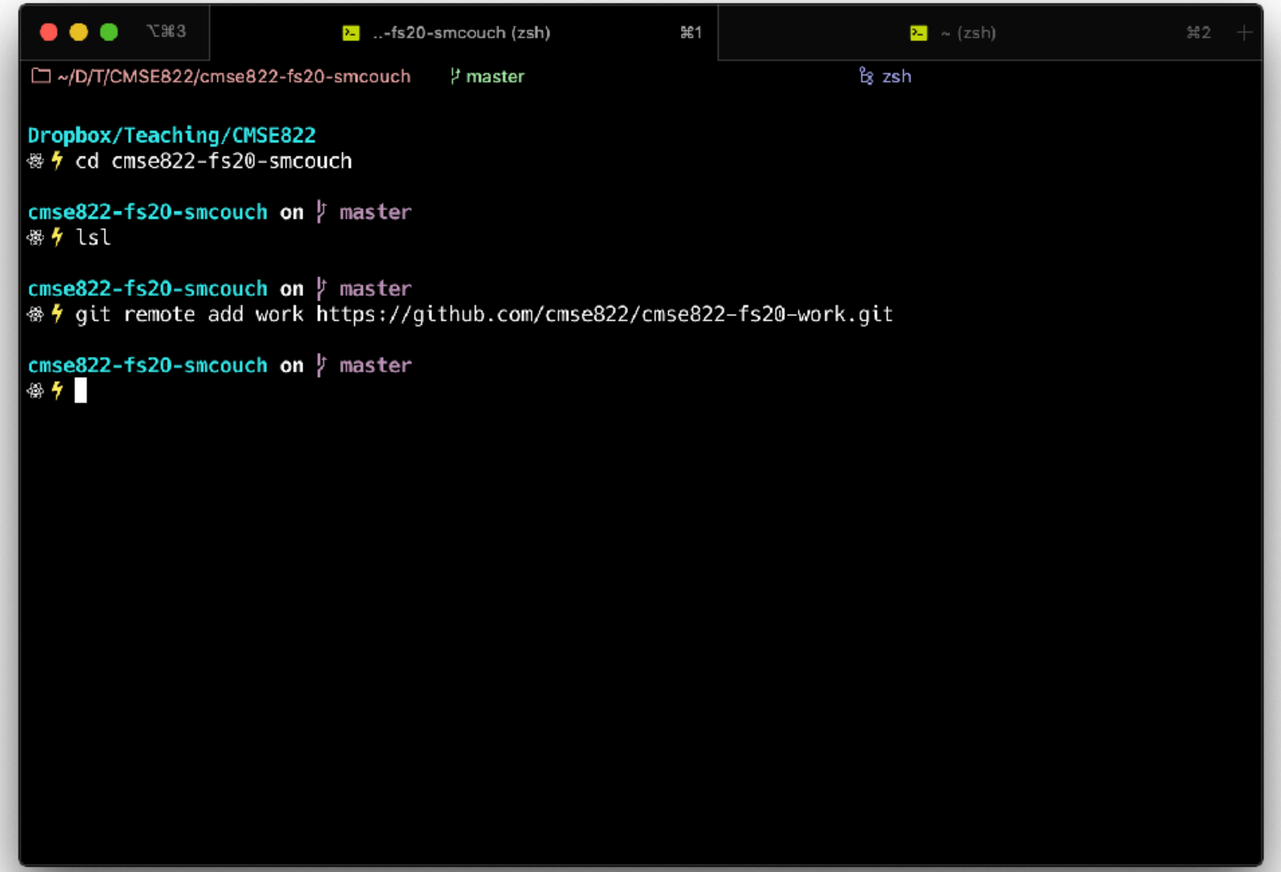
- In the directory where you wish to store your work for the class:



GitHub Classroom repo

Add the `work` repo as a remote

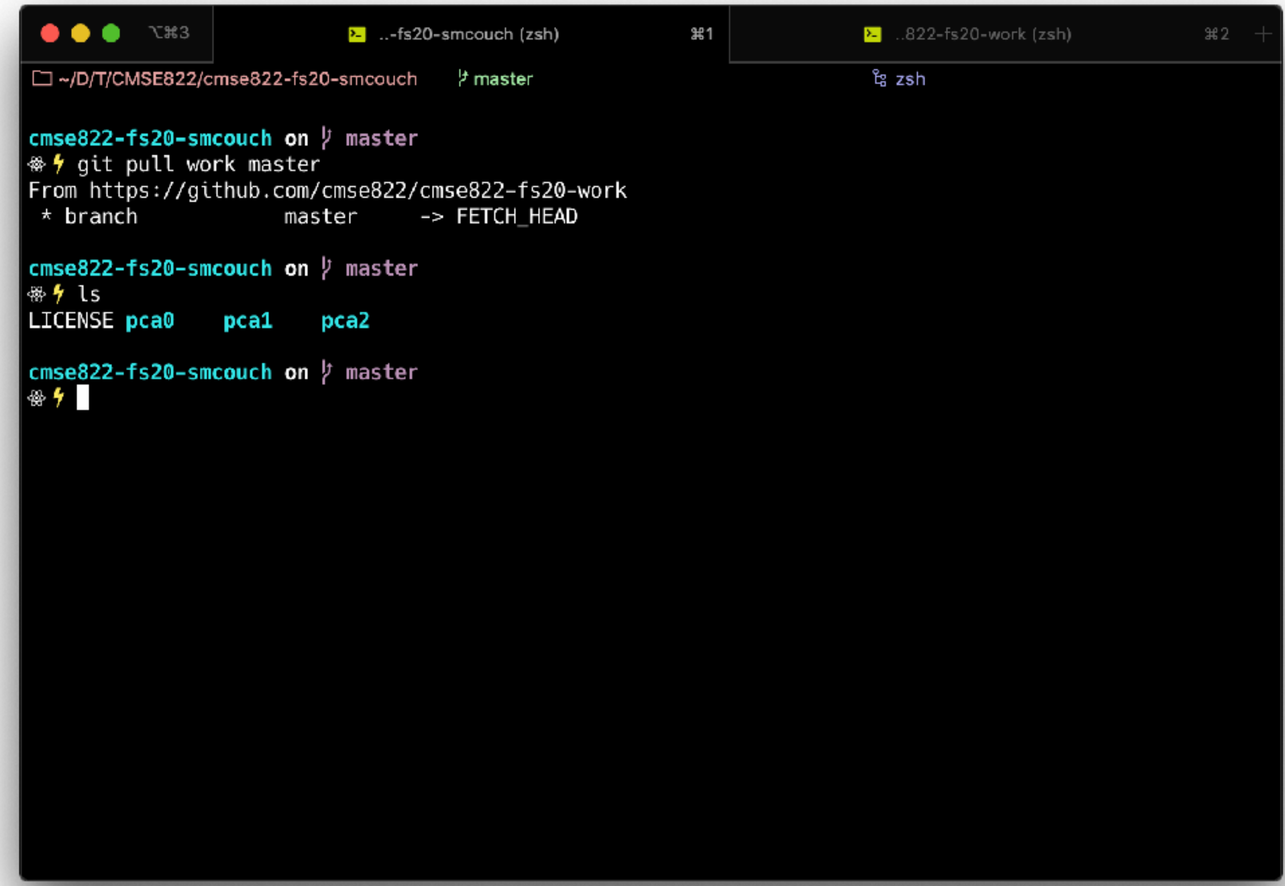
- From within your repo:
- The `work` repo will be used for pushing new assignments to you



GitHub Classroom repo

Pull from `work` repo

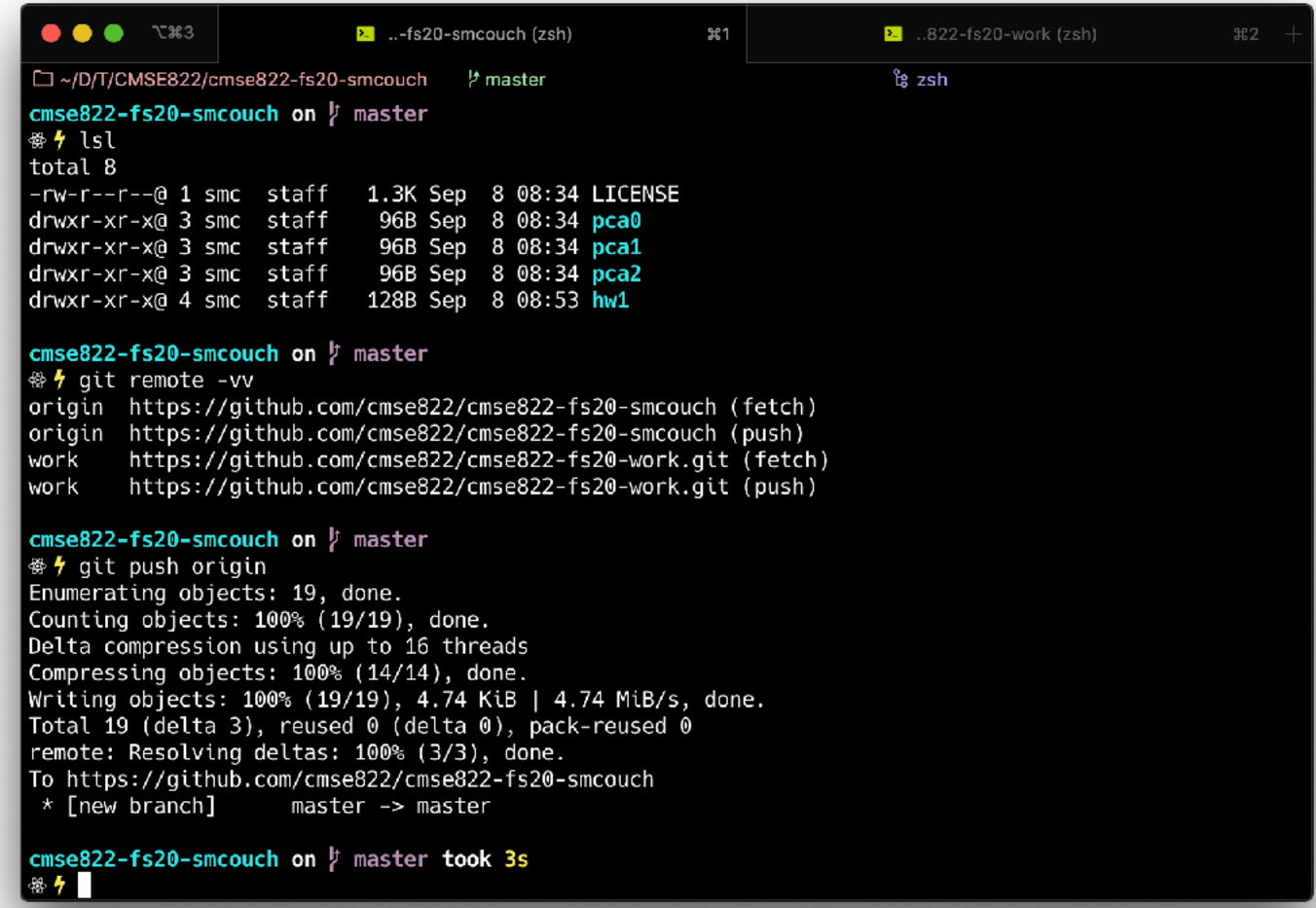
- From within your repo:
- This should get you the first few PCAs and first Homework



GitHub Classroom repo

Push skeleton repo back to GitHub

- From within your repo:
- Don’t forget to `commit` AND `push` your finished work! Otherwise, I can’t see it!
- If you want to verify your work is pushed to GitHub, check the web interface.
- e.g., https://github.com/cmse822/cmse822-fs20-smcouch



Breakout Time!

Meet your group

- Get acquainted with your group
- What's your research area?
- What is your experience in HPC/parallel computing?
- What are you hoping to get out of this course?
- Strengths, weaknesses?
- Etc.?