

## 15-131 Jobs, Globs, Man pages

**Task 1.** You've been working really hard on a 112 assignment, but your code is taking forever to run. It's 7:30 pm now, WAY past your bedtime, so you decide to time the program overnight and see how long it takes. After waking up from your normal 13.5 hour nightly sleep, your program is still running! You're now convinced you must have an infinite loop somewhere. You type `vim homework.py` into the terminal and press enter, but nothing happens.

What's happening here, and how can you open the file again?

**Task 2.** After eating breakfast and coming back from the gym, you sit down to start debugging your code. You make a TON of changes, maybe a bit too many, but you run your code and it terminates! Problem is, you basically erased everything except `print "Hello, World!"`. Luckily, you never actually quit your vim, you just put it into the background. Why could this be helpful and how can you open the file again?

**Task 3.** After working a bit more, you get an array out of bounds error. You have no idea which file it could be in! How could you search through all the files in your current directory for array accesses?

**Task 4.** You're finally ready to submit the assignment! Well done! You knew the hard work would pay off. After working so long, you want to make sure nothing goes wrong in this submission process. You've heard that using `tar` to compress files incorrectly can actually result in you losing all of your progress. You want to absolutely make sure you understand how to use it correctly before you throw away so many hours of work. How can you do this without leaving the terminal?