Mac Setup Instructions

You can use your built-in terminal that comes with Mac OS to do your programming assignment.



XQuartz

Before we get started with terminal, we will have to download <u>XQuartz</u>. Once you download the install package, install it and reboot your Mac.



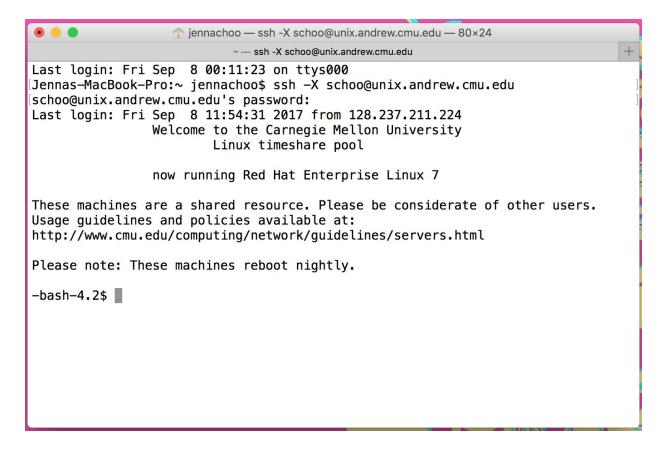
Terminal

Please open your terminal. Now we will log in by typing in

ssh -X <andrewID>@unix.andrew.cmu.edu

It will prompt you to enter in your password. Type in your Andrew password to log in. The password will not be displayed when you type.

You should see something like this. (It might take a little long.)

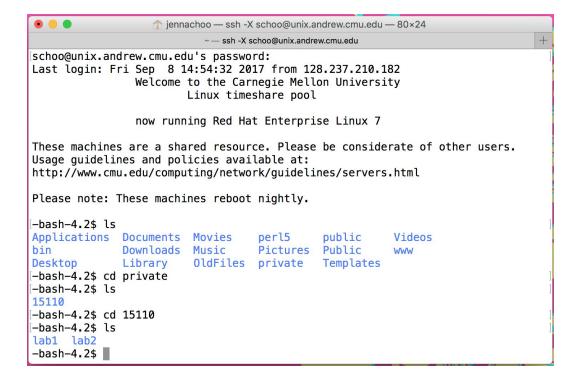


If you type in ls, you should see a familiar set of directories.

```
↑ jennachoo — ssh -X schoo@unix.andrew.cmu.edu — 80×24

                                                                                +
                           ~ — ssh -X schoo@unix.andrew.cmu.edu
Jennas-MacBook-Pro:∼ jennachoo$ ssh -X schoo@unix.andrew.cmu.edu
schoo@unix.andrew.cmu.edu's password:
Last login: Fri Sep 8 14:54:32 2017 from 128.237.210.182
                Welcome to the Carnegie Mellon University
                         Linux timeshare pool
                now running Red Hat Enterprise Linux 7
These machines are a shared resource. Please be considerate of other users.
Usage guidelines and policies available at:
http://www.cmu.edu/computing/network/guidelines/servers.html
Please note: These machines reboot nightly.
-bash-4.2$ ls
                                              public
                                                          Videos
Applications Documents Movies
                                    perl5
bin
              Downloads Music
                                    Pictures
                                              Public
                                                          WWW
Desktop
              Library
                         OldFiles private
                                              Templates
-bash-4.2$
```

Change the current directory to private/15110 directory to view your work from labs.

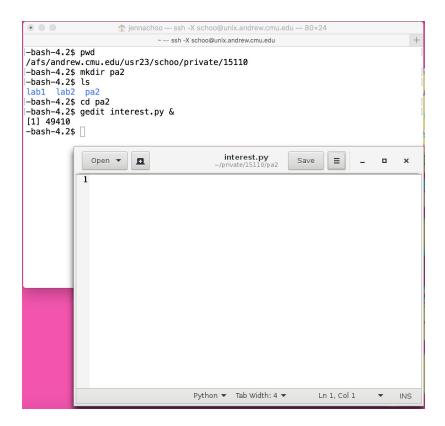


Getting Started

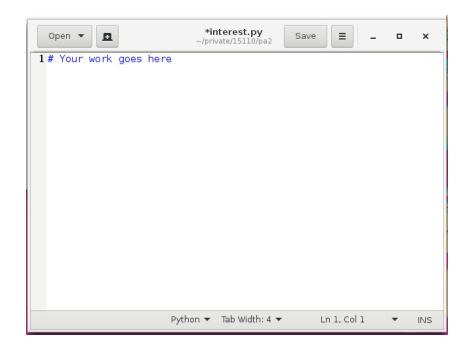
To get started, let's create pa2 directory under private/15110.

We will move into pa2 directory and create a file called interest.py

It should open up a gedit window.



Please don't forget to save your work after you are done! It is okay if you see a lot of error messages. You can hit enter key to type in your next command.



Submitting your work to Autolab

Once you are done, you should have four files in your pa2 directory.

Let's zip pa2 directory.

```
. .
                    ↑ jennachoo — ssh -X schoo@unix.andrew.cmu.edu — 80×24
                            ~ — ssh -X schoo@unix.andrew.cmu.edu
-bash-4.2$ ls
cone.py digit.py interest.py tax.py
-bash-4.2$ cd ..
-bash-4.2$ ls
lab1 lab2 pa2
-bash-4.2$ zip -r pa2.zip pa2
 adding: pa2/ (stored 0%)
  adding: pa2/interest.py (stored 0%)
 adding: pa2/cone.py (stored 0%)
 adding: pa2/tax.py (stored 0%)
 adding: pa2/digit.py (stored 0%)
-bash-4.2$ ls
lab1 lab2 pa2 pa2.zip
-bash-4.2$ ■
```

Once we have pa2.zip file ready, we will move it to our own computer so we can hand it in to Autolab.

First, double check where your file is. In this case, it is under /private/15110/

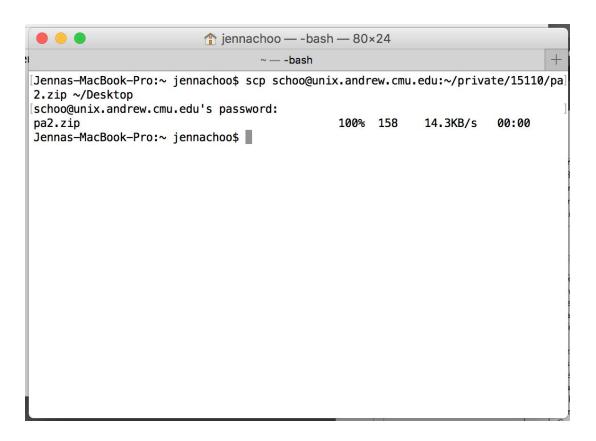
```
↑ jennachoo — ssh -X schoo@unix.andrew.cmu.edu — 80×24

                                                     ~/Desktop/15110 — -bash
       ~ — ssh -X schoo@unix.andrew.cmu.edu
-bash-4.2$ ls
cone.py digit.py interest.py tax.py
-bash-4.2$ cd ..
-bash-4.2$ ls
lab1 lab2 pa2
-bash-4.2$ zip -r pa2.zip pa2
  adding: pa2/ (stored 0%)
  adding: pa2/interest.py (stored 0%)
  adding: pa2/cone.py (stored 0%)
  adding: pa2/tax.py (stored 0%)
  adding: pa2/digit.py (stored 0%)
-bash-4.2$ ls
lab1 lab2 pa2 pa2.zip
-bash-4.2$ pwd
/afs/andrew.cmu.edu/usr23/schoo/private/15110
-bash-4.2$
```

Open a new terminal window and type in the command below.

```
scp <andrewID>@unix.andrew.cmu.edu:~/private/15110/pa2.zip ~/Desktop
```

The highlighted text might need to be adjusted depending on where your pa2.zip file is.



You should be able to see that pa2.zip got copied over to your local computer (in Desktop folder). Please submit this file to Autolab.

If you are confused with this last step, you can also go to GHC 5207/5208/5210 and hand in your work to Autolab from one of the machines there.