Let's Backtrack a bit!

Did you guys register for a CISE account?

- If not, do so soon! http://register.cise.ufl.edu/

Why do we need an account?

- All homework projects are expected to work on the CISE Linux machines!
- So, if your program doesn't run, "***But it works on my laptop/computer***" will not be an acceptable excuse!

SetUp VPN

For Remote Access first you have to set up the the VPN.

https://it.clas.ufl.edu/kb/category/vpn/

https://warrington.ufl.edu/information-technology-support-programs/wp-content/uploads/sites/81/2018/03/TAC_InstallingCiscoVPN.pdf

All the instructions are provided in the above links.

Setting up your Programming environment

So how do I access a computer to test my project?

- Multiple ways! (Once you have registered for an account)
  1. You can always go to one of the CISE computer labs and login to your account there: https://www.cise.ufl.edu/help/access
  2. You can do remote access to one of the servers.

Connecting to a remote Terminal

Windows

- Putty is your best option

Mac OS

- From a terminal you can always do SSH. To do so:
  - Open a Terminal
  - Type: ssh <yourusername>@thunder.cise.ufl.edu
  - For example: rdutt@thunder.cise.ufl.edu

Uploading files to my account

Windows

- WinSCP is your best option

Mac OS

- Any SFTP client will do
- Options:
  - Cyberduck
  - FileZilla

I’m in a remote Terminal… now what?

- So you should see something to the effect of:

```
storm:25%

thunder:22%
```

- The first word (thunder/storm) tells you which server
  - thunder.cise.ufl.edu and storm.cise.ufl.edu are both available to you
- The number (22/25) is a “command number” and is pretty irrelevant
- What should I do next?

Relevant commands

- A list of useful commands is here: http://www.computerhope.com/unix.htm

Command	Function
man <command>	Provide manual for the command <command>
cd <directory>	Change current directory/folder to <directory>
ls	List contents of current directory
pwd	Print working directory
mkdir <name>	Make a new directory with the name <name>
cp <a> <b>	Copy file <a> to location <b>
rm <file>	Remove/Delete the file with name <file>
mv <a> <b>	Move/Rename file <a> to location/name <b>
nano	Open a file editor named nano(also known as pico)
nano <file>	Open <file> with nano
cat <file>	Outputs the contents of file to the terminal