*TAB can autofill in a file name (ex: type in FIL then hit TAB, FILENAME appears
*** which SOFTWARE, will tell you location of software (ex: which vim or which emac)
*** Is -I vs. Is -alh/II, one is minimal info, the other shows hidden files

DS5110/CS5501: Linux tools, shell commands notes

1.	ssh: ssh -i private_key USERNAME@ip_address (ex: public IPv4 DNS)
2.	pwd: print working directory, tells u which directory you're in
3.	ls: lists the content of a specified directory
4.	touch: touch FILENAME, creates a file (can check with Is command)
5.	nano FILENAME> ^==ctrl, ex: ctrl+G==help nano/vim/emacs: vim FILENAME, 3 text editors
	apt update, updates repo address list, might need to change permissions (ex: apt: sudo apt update) then can (sudo) apt install SOFTWARE
7.	package installer for python3 (python related dependencies like Dask, Jupyter pip3: Notebook, etc.), install with sudo apt installsmth pip3
8.	wget: can download from link, wget LINK
9.	mv: mv OLDNAME NEWNAME, change name of file or move file from one place to another
10	cp: cp SOURCE DESTINATION, copy file (source) with new name (destination)
11.	scp:
12	cat: cat FILENAME, displays the contents of a file
13.	head/tail FILENAME, prints out first/last 10 lines of file head/tail:(ex: head -n 24 FILENAME, show first 24 lines)
14.	mkdir:
15.	man:
16.	cd DESTINATION, change directory, one dot (.) is cd and two dots () is parent working directory (back one step) (ex: cd ==> takes you back one step), cd by itself brings you back to home or cd ~ does the same
17.	sudo/su:
18.	chmod:
	python3:
	which: which SOMETHING, checks if you have it ==> nothing output means you don't
21.	echo: echo \$PATH, prints out the path information connected using :
22.	.l:

23. >: FILENAME > output, can change standard output (ex: file > pdf or file > txt)	
24.>>:	
25. &>:	
grep PATTERN FILENAME wc ==> connects two different commands aka the pipe 26. wc:	
27. grep: grep PATTERN FILE, can print out all lines that matches pattern	
28. find:	
29. &:	
30.ps:	
31. kill:	
32. pkill:	
33. htop:	
34. df:	
35. du:	
36. lsof:	
script.sh (can be an executable file) Permissions:	
#! shebang line, specify interpreter, (ex:/bash) chmod +x FILENAME.sh (changes it to execute	able)
wget filepath, url, etc.	
commands (ex: grep wc etc.)	
adding a new path to PATH:	
-go to the new path directory then:	
vim .profile	
source .profile	
echo \$PATH	