**Which terminal commands are especially useful for developers?**  
  
**up arrow / down arrow** – gives you the previous commands  
  
**pwd** – print path to current working directory  
  
**ls** – list contents of current directory

**ls -al** – you get more information – permissions, who is owner, file size, and date of file  
  
**ls -a** you can see hidden files.

**cd** – change directory   
  
if you start typing and hit TAB it will autocomplete for you  
  
**cd ..** adding 2 periods to cd of course will tell you to move backwards one directory

**cd** – minus takes you to previous directory where you used to be  
  
**cd** alone takes you home

**cd /home/kenan** – you can put in paths  
  
**mkdir** – allows you to make a new folder  
  
**touch** – allows you to make a new file  
  
**cp** – is copy  
  
cp new-file.txt new-folder/new-file-copy.txt (you are changing the name)  
  
**mv** – moves the file  
  
mv new-file-copy.txt ../new-file.copy.txt (this moves it up one folder into new-folder)  
  
if you don’t want to move it to new folder you can skil the ../ but still rename it.  
  
**rm** – allows you to remove a file  
  
**rm -r** allows you to delete entire folder

**code** - to launch a text file into visual studio code just hit

code sample.txt  
  
**cat** – see what is inside a file  
  
you can use more than one file name with cat…if you just write 2 file names it will show what is in both  
  
you can also concatenate and make a 3rd one out of the concatenation of the two like so:  
  
Example: cat file-1.txt file-2.txt > file3.txt  
  
You can also do some cool things where file3.txt becomes something completely different.  
  
For example you can run ls > file-3.txt  
then when you do cat file-3.txt it will show you a file-3.txt with the results of ls

**how do you append things to the end of a file?  
  
echo** - display a line of text or a string of characters on the terminal  
  
you can run echo Hi >> file-3.txt

this will display the text in file-3 and also add to it the word Hi at the end

This only works with double arrow >>  
  
A single arrow overwrites everything