**Terminal**

pwd where you are

ls contents of folder

cd like clicking on a folder “change directory”

cd \_\_\_\_\_\_\_ add folder name to enter that folder

cd .. goes back a folder

cd .. / .. / .. to go back multiple folders

cd just typing it will take you back to home directory

“my stuff” folder would be typed like this in terminal for spaces:

cd my\ stuff

cd “my stuff”

mkdir \_\_\_\_\_\_\_ adds a new folder to folder

to make

1. mkdir rock / hits
2. mkdir rock

mkdir hits

touch -to make a new file

touch \_\_\_\_\_\_

ex- makes three files at once:

touch plan.txt email.txt poems.txt

atom poems.txt this would open the file in atom

command , this opens the settings

moving a file

**GIT**

Basic steps:

1. Go to the folder you would like to load
2. $git init
3. $git add .

$git commit –m “message to commit”

4) $git log (this tells you the history)

5) Create a new repository in Github

6) on the Github page copy the url from the new repository

7)in terminal navigate to your desired folder

8) $git remote add origin paste the url you copied before

9) $git push origin master

10) refresh Github

Too save an existing file:

$git add .

$git commit –m “message here”

$git push origin master

TO PULL A BRAND NEW REPOSITORY, clone is for new ones only

1)Go to the Git hub page you want and copy the https url on the right side

2) Navigate on terminal to the folder you would like to folder

2) $git clone \_\_\_\_\_\_ ‘paste the after clone’

4) this creates a copy in the folder you were in

$ls –a (shows hidden files)

GIT PULL

1)enter the directory in terminal you would like to have updated

2)git pull origin master

this will update the most current version of

the repository

password

**SERVER**

ssh root@tiffany.princesspeach.nyc

sleep-again-because-rain

making a server, enter the folder on your root directory

tiffany.princesspeach.nyc

Once you are in the folder you want to go live, write http-server –p80 (this activates your server and puts it on port one, the standard for the internet.

Then you can go the tiffany.princesspeach.nyc/bouncing\_balls.html (or whatever your html file is, if the html is index.html you can leave out the file name because that’s from default)

Put this is the terminal to see everything running on servers

lsof -i -P | grep -i "listen"

**My Digital Ocean**

https://github.com/ga-students/peach/blob/master/w06/d02/DO.md

To log onto the DO server type

ssh root@[paste-ip-address-here]

ssh root@104.236.71.29

Running the server in the background

This runs a server w/o ineruptions when you log off, running in the background

$nohup node server\_two.js &

To see the programs running in the background:

$ps

$ps –ef

$ps aux

this will search though the programs for the last word you put in (node or http-server) here

$ ps –aux | grep node

$ps –aux | grep http-server

ps –aux | grep server

To end the program:

$kill -9 [4 digit number at the beginning of the process you want to end]

$kill -9 4352

**Git Collaboration**

Github and Git are different

Branches- multiple copies of same document (Git)(same folder)

Fork- multiple repos(Git Hub)(new folder)

Two people are making changes locally, and making versions. One pushes to github

$git pull origin master (master is the default branch name)

$cat [filename]

prints contents of file to the terminal

$git log

to see all the changes every made, use arrows to go though it, press $q to exit

$git status

gives you the status of that repo if you are behind or up to date on you files, how many files you have

$git reset [filename or .]

this takes back your git add

So if you are collaborating git will automatically put together the two versions of the files you are collaborating on. If there are already updates pushed to github it will not let you push your updates, rather you will have to pull the latest version and it will merge it with your current updated version. It will either delete things or if its to complicated it will put both areas withing special characters and you will have to edit those out before you can push up the finalized version.