# Week 2 Notes

## Command Line Interface

* Root directory = /
* Home directory = ~. When you first login, you will go to your home directory.
* @Mac, terminal is the command line interface
* **Basic Commands:**
  + **pwd –** display the path you are working on, print the current working directory.
  + **Clear-** clear all commands in CLI. Remove clutter
  + **Ls-** lists everything in the current directory
  + **Ls -a:** list hidden and unhidden files
  + **Ls –**l: lists details about the files
  + **Ls –**al: lists details about the hidden and unhidden files (combination of –a and –l)
  + **Cd:** change directory. Argument is the directory you want to visit
  + **Cd .**.: change directory up one level
  + **Cd .**./..: change directory up two levels
  + **Mkdir:** make directory (like create new folder)
  + **Touch:** creates empty file
  + **Cp:** copy (two arguments, 1-file you want to copy, 2- where it will go)
  + **Cp –**r: copy the entire contents of a directory into another directory
  + **Rm:** remove files
  + **Rm –**r: remove all of the files in a directory
  + **Mv-** move files between directories (two arguments, 1-file you want to move, 2- where it will go). Can also be used to rename a file.
  + **Date:** will print todays date
  + **Echo:** prints whatever you provide
* **Command:** does a specific task
* **Flags:** options in a command to trigger certain behavior, preceded by a -. (parameters)
* **Arguments:** what the command is going to modify

## Introduction to Git

* Git is a version control system. Records all of the changes you made to a file.
* Git is a free and open source version control system
* Everything is stored in local repositories on your computer. Operated in the command line.
* Git Bash- Command Line interface for interacting with Git (esp. for Windows)