Dr. Condon Office Hours
Rm 324E

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github.com/HAS-Tools-Fall2021   Popular Repositories
                                       CourseMaterials
                                        ↳ Assignments
                                          ↳ Week #_Section #

Git Bash (Terminal) Commands
• pwd - print working directory
• cd - change current working directory
 ↳ cd "directory name" to advance to directory
   ↳ cd .. to go back to parent directory
   ↳ cd ~ to go to home directory
• mkdir - Create (make) new directory
 ↳ mkdir "name" * no output!
• ls - print list of files and subdirectories
• rm - Delete (remove) file
• rm -r - Delete directory
• cp - copy file
• cp -r - copy directory
8/25   make a local
git clone - using the URL of a forked repo to ^ copy into local folder
git status - checks version control status
git add - send file to staging area
git commit - send file changes to the repo
git push origin main

8/26 Class notes
attach "_git" to folder name to quickly remind myself
git add - "staging" in atom/kraken

Saving progress (version control)
1. Save changes (most frequent)
2. Stage changes } "meaningful chunck", places to roll back to
3. Commit changes
4. Push (moves files to remote)

Watch Dr. Condon videos re: hw
upgrade Kraken

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1. What did we install / why?

2. What's a repo + how is it different from a folder?

3. Why are we using version control?

4. Difference btwn git, github, git kraken?

5. Github workflow workflow for pulling + pushing
   clone, stage, commit, pull, push

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<u>Lists</u>, type of object; must use [ ]; separated by commas; can be int, float, str.

Ex: Mylist = [6, 7, 9, 13, 12]   then lists automatically index
                0 1 2 3 4   contents #
    Mylist2 = ["apple", "carrot", "peach"]   [start : stop : increment]
              -3   -2   -1

mylist[2] = 9
mylist[0:2] = [6,7] * does not include stop point 2.
mylist[0:3:2] = [6,9] * the 2 signifies to count by 2
mylist[:2] = [6, 9, 12] * the :2 counts whole list by 2
mylist[2:] = [9, 13, 12] * the 2: counts from 2 to the end of list
mylist[3:0:-1] = [13, 9, 7] * the 3 counts backwards from 3→0 by -1

$$\overset{0\ \ 1\ \ 2\ \ 3\ \ 4\ \ 5}{}$$

mylist. append (8) ⇒ mylist = [6, 7, 9, 13, 12, 8]

$$\overset{0\ \ 1\ \ 2\ \ 3\ 4\ \ \ 5\ \ 6}{}$$

mylist. insert (~~AU~~ 2, 5) ⇒ mylist = [6, 7, 5, 9, 13, 12, 8]

Operators: symbol that has ~~an operation~~ an associated operation

- arithmetic: * + -/
- comparison: > < = != =
- logical: and, or, not
- membership: in, not in
- identity: is, is not
- assignment: += =

Ex. Var = 7

or { Var = Var + 3 ⇒ 10
{ Var += 3 ⇒ 10

Var *= 3 ⇒ 30

$$\overset{0\ \ \ 1\ \ \ 2\ \ \ 3\ \ \ 4\ \ \ 5}{}$$

Exercise: letters = ['a', 'b', 'c', 'd', 'e', "t"]

letters [18] + letters [0] + letters [3] = 'b', 'a', 'd'

~~letters [*1, 0, 3] = 'b', 'a', 'd~~
~~letters [-5, -6, -3] = 'b', 'a', 'd'~~