**Bash and GitHub**

**Due Date: Friday 2/3 @ 11:59 PM**

* pwd: print working directory – tells you which directory you’re in
  + return the current directory
* mkdir: make directory
  + Create a directory with the given name
* cd <dir>: change directory – move into another directory
  + Enter another directory with the given path/name
* cd .. : change directory - go to your home directory
  + Return to the outer directory
* ls: list – list the contents of current directory
  + Show the directories within the current directory
* rm and the -r flag: remove - deletes directory and everything in it
  + Remove the directory
* cat: concatenate - view file contents
  + Show the text in the file
* head: view first 10 lines
  + show the first 10 rows of the file
* tail: view last 10 lines
  + show the last 10 rows of the file
* scp: secure copy - copies one directory or file to another location
  + Copying a directory to another directory
* nano: opens nano editor
  + Edit a small text file
* –help: get short summaries of [built-in commands or internal command](https://bash.cyberciti.biz/guide/Built-in_commands)
  + Search up functions that already exists
* TAB: auto completes your directories and some commands
  + Suggests possible directories (when not finished typing)
* Ctrl+a: moves the cursor to the start of a line
  + Edit from the beginning of the line
* Ctrl+e: moves the cursor to the end of the line
  + Edit from the end of the line
* Ctrl+r: starts a reverse search, through the bash history, simply type characters that should be unique to the command you want to find in the history
  + Search in history
* Ctrl+k: removes all text from the cursor to the end of the line.
  + Delete everything on the line after the cursor
* Ctrl+u: removes all text from the beginning of the line to the cursor.
  + Delete everything on the line before the cursor
* Ctrl+l: clear the screen
  + Remove everything on the screen

What command would you use to navigate to your Desktop from /Users/ using an absolute path? Relative path?

cd for absolute path; pwd and cd for relative path

How would you copy /Desktop/Example Folder/ with multiple documents inside to /Documents/?  
Make a secure copy of the entire directory

If you didn’t know which folder you were in, how would you navigate back to /Documents/? Either use pwd to find current directory or just cd

**Fill in the blank:**

● To push your local changes to GitHub, use the following sequence of commands:

1. git status to view any unsaved changes.

2. git add [filename] to save all files, or to save a specific file/folder.

3. git commit to commit files for saving. Use ‘-m’ to include a message.

4. git push to push your changes to GitHub.

**Do it yourself!**

Use commands in Bash to create a folder *week4\_hw* in your local qbio\_490\_name repository

Save your literature presentation slides to your computer and then use Bash to move them into *week4\_hw*

Use GitHub to stage, commit, and upload your new folder and presentation slides into your personal GitHub repo.

**Turn in your answers to this document and attach a link to your personal GitHub repo on BlackBoard for full credit**