Bash and GitHub Due Date: Friday 2/3 @ 11:59 PM

Note on Absolute vs Relative File Paths

Absolute File Paths: The entire path of a file or folder starting with "/" or "/mnt/c/"

- Mac example: /Users/wadeb/Documents/QBIO490/course_description.pdf
- PC Example: /mnt/c/Users/wadeb/Documents/QBIO490/course_calendar.pdf

Relative File Paths: A shortened file path that takes your current location into consideration.

- . represents your current directory, .. represents the previous directory (one above)
- In /Documents folder...

./QBIO490/ = ../Documents/QBIO490/ = /mnt/c/Users/wadeb/Documents/QBIO490/

Answer the following questions about Bash:

- Type out definitions for the following commands and shortcuts in your own words.
 Refer to the slides for definitions of commands, and use google to look up the definitions of any unknown shortcuts.
 - a. pwd print working directory (tells which directory you're in)
 - b. mkdir make directory
 - c. cd <dir> change directory
 - d. cd.. change to the directory above
 - e. ls list contents of current directory
 - f. rm and the -r flag remove (-r = recursive)
 - g. cat concatenate (view file contents)
 - h. head view first 10 lines
 - i. tail view last 10 lines
 - j. scp secure copy
 - k. nano (including Ctrl+o and Ctrl+x) opens nano editor (ctrl+o = write out and save, ctrl+x = exit)
 - 1. -help display a usage message and exit
 - m. TAB auto completes directories and some commands
 - n. Ctrl+a-go to beginning of line (home)
 - o. Ctrl+e-go to end of line (end)
 - p. Ctrl+r recall last command including specified characters
 - q. Ctrl+k-cut the line after the cursor to the clipboard
 - r. Ctrl+u cut/delete the line before the cursor to the clipboard
 - s. Ctrl+l clear screen

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

Absolute path: cd /Users/lilly/Desktop

Relative path: cd lilly/Desktop

• How would you copy /Desktop/Example Folder/ with multiple documents inside to /Documents/?

scp -r Users/lilly/Desktop/Example Folder Users/lilly/Documents

• If you didn't know which folder you were in, how would you navigate back to /Documents/?

cd /Users/lilly/Documents

Fill in the blank:

- To push your local changes to GitHub, use the following sequence of commands:
 - 1.to view any unsaved changes. git status
 - 2.to save all files, or to save a specific file/folder. command-S or ctrl-S
 - 3.to commit files for saving. Use '-m' to include a message. git commit
 - 4.to push your changes to GitHub. git push

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
yo	ur personal GitHub repo.

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