

Bash and GitHub

Due Date: Thursday 9/7 @ 11:59 PM

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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:

- PC Example:

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.

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`pwd`

Print working directory, tells you what directory you're in.

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`mkdir`

Make directory

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`cd <dir>`

If there is a directory in the current directory, it will change it to that

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`cd..`

Change directory, moves to another directory.

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`ls`

List, lists the contents of the current directory.

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`rm` and the `-r` flag

Deletes file/directory, `-r` is recursive for directories

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Scp

Secure copy, copies a directory or file to another location

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nano (including Ctrl+o and Ctrl+x)

Powerful text-edit shortcuts

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

You would use cd/Users/yourname/Desktop for absolute path and cd/yourname/Desktop for relative path.

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

```
cp -r /Users/your_username/Desktop/Example\ Folder/*  
/Users/yourname/Documents/
```

- If you didn't know which folder you were in, how would you navigate back to /Documents/?
`cd /Users/yourname/Documents`

Answer the following questions about Nano:

- How do you create a new unnamed document within a directory?
Navigate to a directory where you want to create a new document, type nano, and start typing
- What are the steps to saving and naming a document?
Command O will let you name the document and once you confirm your text press enter and nano will save the document.
- When should nano be used for file editing?
Nano is good for quick edits, especially in a non-GUI environment.