#### **HACKPAD**

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FREEGEEKCHICAGO

+ NEW WORKSPACE

# **Command Line: Essentials**

### **Basic Shell Commands**

- \_`pwd`); print the absolute path to the current directory
- <u>`Is <target>`</u>): lists the files in the current directory, or in <target> if it is supplied
  - '-l' option for longform
  - o '-a' option for all
  - o '-R' option for recursive
- 'cd <dir>' ): change directory you are in to <dir>
- <u>`mv <source> <dest>`</u>: move a directory/file at <source> to <dest>; this is also used to rename a file
- <u>`cp <source> <dest>`</u>): copy a directory/file at <source> to <dest>
  - o '-r' option (recursive) for all sub-directories
- <u>`rm <target>`</u>): delete a directory/file called <target>
  - o '-r' option (recursive) for all sub-directories
  - '-i' option (interactive) to prompt for confirmation (helps to prevent accidental deletions)
- `sudo <command>`); execute <command> with temporary elevated privileges; be careful with this, and us
- <u>`mkdir <dir>`</u>]: create an empty directory called <dir>
- `touch <file>` ): create a new empty file called <file>
- `less <file>`): page through a file/file-like object
- \_`nano <file>` ]: edit a file inside the terminal
- <u>`man <command>`</u>): bring up the manual page for <command> in the less pager
- whatis <command>`): print a brief description for <command>
- <u>'help <built-in>'</u>): print some useful information for <built-in>, which is a command defined primarily by th choice if there are no man pages for a command, for example in the case of <u>'alias'</u>).
- <u>'apropos <criteria>'</u>): search the man page descriptions of all commands for <criteria>; use this to find the their function.

# **Bash Hotkeys**

- <u>`Ctrl + C`</u>): Kill whatever command is currently running
- 'Ctrl + D' ; Exit the current shell (bash itself, or others), or send an end-of-file message to a command.
- <u>`Ctrl + Z`</u>): Suspends whatever command is running; <u>`tg`</u>), which stands for foreground, restores it; <u>`bg`</u> background.
- <u>`Tab`</u>): Auto-complete file and folder names, or give possible options for completion
- <u>Ctrl + Up</u> or <u>Down</u> arrow: Go back or forward, respectively, through your command history
- <u>`Ctrl + R`</u>): Search through your history of commands
- \_`Ctrl + A` J: Jump to beginning of line
- <u>`Ctrl + E`</u>): Jump to end of line
- <u>`Ctrl + Right`</u>) or <u>`Left`</u>) arrow: Jump to the next word in whichever direction on the command line; provide holding down left or right.

# **Less Paging Hotkeys**

- arrow keys: move up, down, and even to the right and left to see more.
- <u>`q`</u>: Quit the pager
- <u>`f`</u> or <u>`space`</u>): Go forward one page
- 'b' ; go backward one page
- <u>`h`</u>; bring up the help page
- '/<characters>' j: search for <characters> inside the pager; press 'n' for next occurence; press 'p' for prev