Unix/vi basics cheatsheet

Listing files in your current directory (aka where you are now)

`ls`	directory listing
`ls -a`	listing with hidden files
`ls -l`	listing in list format
`ls -al`	listing in list format with hidden files
`ls -F`	listing with directories labeled
`ls <dir>`	listing of what is in a specified directory

Changing your current directory (aka moving around in your filesystem)

`pwd`	show current directory
`cd <dir>`	change directory to <dir>
`cd`	change to home
`cd ..`	change to one directory higher

Shortcuts

`<tab>`	autocomplete filenames (may not work in Git Bash)
`ctrl+C`	stop running command
`<up arrow>`	scroll through previous commands

Viewing files without exiting the command line

`less <file>`	scroll through the contents of <file>
`head <file>`	output the first 10 lines of <file>
`tail <file>`	output the last 10 lines of <file>
`<spacebar>`	to scroll through "less"
`q`	to exit "less"

Creating a new file

`touch <file>`	create or update <file>

Making a new directory

`mkdir <dir>`	create a directory <dir>

Copying, moving, and renaming files and directories

`cp <file1> <file2>`	copy <file1> to <file2>
`cp -r <dir1> <dir2>`	copy <dir1> to <dir2>; create <dir2> if it doesn't exist
`mv <file1> <file2>`	rename or move <file1> to <file2> ; if <file2> is an existing directory, moves <file1> into directory <file2>

Deleting files and directories (permanent)

`rm <file>`	delete <file>
`rm -r <dir>`	delete directory <dir>
`rm -f <file>`	force remove file

Processes

`top`	display all running processes
`q`	to exit "top"

Finding out more about a command

`man <command>`	View the manual for a particular command (on Git Bash, try `<command> --help`)

Editing files with vi

`vi <filename>`	opens a file in vi; creates and opens in vi if file doesn't already exist
`i`	insert mode; allows editing
`<esc>`	exits insert mode; allows saving and exiting vi
`:q`	exit vi if no changes were made to the file
`:wq`	save changes and exit vi
`:q!`	exit vi but do not save changes