| GETTING AROUND | | |
|---|---|---|
| pwd | present working directory | your current directory |
| cd | change directory | takes you to /home |
| cd other/directory | | takes you through the other directory into the directory directory |
| cd .. | | takes you "up" one directory, e.g., if you were in the directory directory, it would take you to other directory |
| ls | list | shows you the files and directories in your current directory |
| CREATE & DESTROY | | |
| mkdir new_directory | | make directory named new_directory |
| rm -rf new_directory | | remove recursive (all descendants) force (I'm serious) new_directory |
| touch text.txt | | create file called text.txt |
| rm text.txt | remove text.txt | deletes text.txt --Permanently! |
| READ | | |
| cat text.txt | catenate text.txt | displays the content of text.txt (start at the bottom) |
| less text.txt | display text.txt | displays the content of text.txt (start at the top) |
| SEEING DOUBLE? | | |
| cp text.txt new_text.txt | | make a copy of text.txt called new_text.txt, leaving the original alone |
| mv text.txt directory/new_text.txt | | move the text.txt. file to the directpry directory and rename it new_text.txt, so that the original is no longer where it was (you can also treat this as "rename" if you do not move it to a new directory) |
| CAT | | |
| cat file1 | display the contents of file1 | |
| cat > file1 (text, enter, ctl+d) | write over file1 with text | |
| cat file1 > file2 | write over file1 with file2 | |
| cat file1 >> file2 | add the content of file1 to the end of file2 | |
| less fake.txt 2> errorLog | writes the error messages from less fake.txt to the errorLog file | |
| ls fakeDir realDir 2>&1 log | writes the output and the error messages from ls fakeDir realDir to the log file | |

| WILDCARDS (searches directories) | |
|---|---|
| ls *.zip | any number of things - list anything that ends in .zip |
| ls ?.sh | one thing - list anything that has one character followed by .sh |
| ls file[abc].md | list files filea.md, fileb.md, or filec.md |
| ls file[a..d].md | list files filea.md through filed.md |
| ls file[!abc].rb | list anything except files filea.rb, fileb.rb, or filec.rb |
| | list any file that is an alpha-numeric character |
| | [[:alpha:]] - letter |
| | [[:digit:]] - numb3r |
| | [[:lower:]] - lower case |
| ls [[:alnum:]] | [[:upper:]] - UPPER CASE |
| GREP (searches within files) | |
| grep [-options] what_ur_lookin_4 where_ur_lookin | |
| . | single character |
| ^a | begins with a |
| a$ | ends with a |
| COMPARE | |
| diff -c foo bar | shows the differences between foo and bar |
| comm file1 file2 | compares file1 and file2 in columns (unique to 1 on left, unique to 2 in middle, common to both on right) |
| PIPES, HEADS, AND TAILS | |
| head ls-output | first 10 lines of ls-output |
| tail -5 ls-output | last 5 lines of ls-output |
| tail -f ls-output | continually refreshing last lines of ls-output |
| ls . ../omg/ \| sort | sorts the results alphabetically |
| ls . ../omg/ \| sort \| uniq | sorts, then removes duplicates |