Unix Cheat Sheet

Help on any Unix command.			
man {command}	Type man rm to read the manual for the rm command.		
whatis {command}	Give short description of command.		
List a directory			
ls {path}	It's ok to combine attributes, eg ls -laF gets a long listing of all files with types.		
<pre>ls {path_1} {path_2}</pre>	List both {path_1} and {path_2}.		
ls -1 {path}	Long listing, with date, size and permisions.		
ls -a {path}	Show all files, including important .dot files that don't otherwise show.		
ls -F {path}	Show type of each file. "/" = directory, "*" = executable.		
ls -R {path}	Recursive listing, with all subdirs.		
<pre>ls {path} more</pre>	Show listing one screen at a time.		
Change to directory			
cd {dirname}	There must be a space between.		
cd ~	Go back to home directory, useful if you're lost.		
cd	Go back one directory.		
Make a new directory			
mkdir {dirname}			
Remove a directory			
rmdir {dirname}	Only works if {dirname} is empty.		
<pre>rm -r {dirname}</pre>	Remove all files and subdirs. Careful!		
Print working directory			
pwd	Show where you are as full path. Useful if you're lost or exploring.		
Copy a file or directory			
cp {file1} {file2}			
cp -r {dir1} {dir2}	Recursive, copy directory and all subdirs.		

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<pre>cat {newfile} >> {oldfile}</pre>	Append newfile to end of oldfile.		
Move (or rename) a file			
<pre>mv {oldfile} {newfile}</pre>	Moving a file and renaming it are the same thing.		
<pre>mv {oldname} {newname}</pre>			
Delete a file			
<pre>rm {filespec}</pre>	? and * wildcards work like DOS should. "?" is any character; "*" is any string of characters.		
<pre>ls {filespec} rm {filespec}</pre>	Good strategy: first list a group to make sure it's what's you thinkthen delete it all at once.		
View a text file			
<pre>more {filename}</pre>	View file one screen at a time.		
<pre>less {filename}</pre>	Like more , with extra features.		
<pre>cat {filename}</pre>	View file, but it scrolls.		
<pre>cat {filename} more</pre>	View file one screen at a time.		
Edit a text file.			
<pre>gedit {filename}</pre>	Basic text editor		
Create a text file.			
<pre>cat > {filename}</pre>	Enter your text (multiple lines with enter are ok) and press control-d to save.		
<pre>gedit {filename}</pre>	Create some text and save it.		
Compare two files			
<pre>diff {file1} {file2}</pre>	Show the differences.		
sdiff {file1} {file2}	Show files side by side.		
Other text commands			
<pre>grep '{pattern}' {file}</pre>	Find regular expression in file.		
spell {file}	Display misspelled words.		
wc {file}	Count words in file.		
wc -l {file}	Count the number of lines in a file.		
Make an Alias			
<pre>alias {name}='{command}'</pre>	Put the command in 'single quotes'. More useful in your .bashrc file.		

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(You pipe a command to another command, and

*	Match any string of characters, eg page* gets page1, page10, and page.txt.
?	Match any single character, eg page? gets page1 and page2, but not page10.
[]	Match any characters in a range, eg page[1-3] gets page1, page2, and page3.
~	Short for your home directory, eg cd ~ will take you home, and rm - r ~ will destroy it.
	The current directory.
	One directory up the tree, eg ls

Pipes and Redirection

{command} > {file}	Redirect output to a file, eg ls > list.txt writes directory to file.
{command} >> {file}	Append output to an existing file, eg cat update >> archive adds update to end of archive.
{command} < {file}	Get input from a file, eg sort < file.txt
{command} < {file1} > {file2}	Get input from file1, and write to file2, eg sort < old.txt > new.txt sorts old.txt and saves as new.txt.
{command} {command}	Pipe one command to another, eg ls I more gets directory and sends it to more to show it one page at a time.

redirect it to a file.)

System info

date	Show date and time.	
df	Check system disk capacity.	
du	Check your disk usage and show bytes in each directory.	
du -h	Check your disk usage in a human readable format	
printenv	Show all environmental variables	
uptime	Find out system load.	
W	Who's online and what are they doing?	
top	Real time processor and memory usage	

Unix Directory Format

Long listings (ls -l) have this format:

DOS and UNIX commands

Action	DOS	UNIX
change directory	cd	cd
change file protection	attrib	chmod
compare files	comp	diff
copy file	copy	cp
delete file	del	rm
delete directory	rd	rmdir
directory list	dir	ls
edit a file	edit	pico
environment	set	printenv
find string in file	find	grep
help	help	man
make directory	md	mkdir
move file	move	mv
rename file	ren	mv
show date and time	date, time	date
show disk space	chkdsk	df
show file	type	cat
show file by screens	type filename more	more
sort data	sort	sort

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