

Text Files

more file – view file on screen at a time.
less file – like more, extra features.
cat file – view file, scrollable.
cat > file – create filename, + enter text.
diff file1 file2 – show differences.
sdiff file1 file2 – show side by side.
sort file1 > file2 – sort file 1, save as file2.
sort -o file file – replace file with sorted.
touch file – update file.
head file – output first 10 lines of file.
tail file – output last 10 lines of file.

Permissions

	owner	group	world	
d	r w x	r w x	r w x	
filetype				
.* - file				-- execute – 1
d - dir				----- write – 2
l - link				----- read – 4

chmod 777 – read, write, execute for all.
chmod +x filename – execute for all.
Chmod u+rwx – user rwx.

Search

find filespec – find file with filespec.
grep pattern file – search for pattern in file.
grep -r pattern dir – search entire dir for pattern.
locate file – find all instances of file.

System Info

uname -a – show kernel info.
cat /proc/cpuinfo – cpu info.
cat /proc/meminfo – memory info.
whereis app – show possible locations for
which app – show which app is default.

Pipes

command > file – output to file.
command >> file – add output to end of file.
command < file – use file as input.
command < file1 > file2 – combo.
command | command – pipe one command to another.

Keyboard Shortcuts

Ctrl+C – halts current command.
Ctrl+Z – stops current command.
Ctrl+D – log out of current session (exit).
Ctrl+W – erases one word in line.
Ctrl+U – erases whole line.
Ctrl+R – bring up a recent command.

Process Management

ps – display active processes.
top – display all running processes.
kill pid – kill process id.
bg – lists stopped or bg jobs.
fg – brings most recent job to foreground.
fg pid – bring pid to foreground.

Compression

tar cf file.tar files – make file.tar from files.
tar xf file.tar – extract file.tar
tar.gz – add z to above.
tar.bz2 – add j to above.
gzip file – compress and rename file to file.gz.
gzip -d file.gz – decompress file.gz to file.

Install

./configure
make
make install
dpkg -i pkg.deb – Debian.
rpm -Uvh pkg.rpm – Redhat.