





Some Filters
head, tail get first or last N lines.
sort sorts, uniq discards (consecutive) duplicates.
grep searches for text (or regular expression — more later). (Name is from very old editor, where g/re/p meant "globally search for regular expression and print".)
wc counts characters, words, lines.
tr "translates". Good for converting, e.g., upper-case to lower-case.
cat "concatenate" one or more inputs to output.
tee duplicates input. Good for capturing output to a file while also displaying it onscreen.

Examples
Find all processes that belong to your username: ps aux | grep \$USER
Show how much space each subdirectory of your home directory is using, sorted by size. du -sk \$HOME/* | sort -n (Unfortunately this omits directories starting with a dot.)













find, A Bit More
Summarizing and simplifying a bit from the man page, arguments to find consist of paths, "options", "tests", "actions", and "operators".
Path(s) come first — where you want to search.
"options" are next and apply to whole command, e.g. -maxdepth.
Then there are "tests" (search criteria), "actions" (what you want to do with files that match — default is to print name), and "operators" (such as logical and and or) connecting them.
Examples on next slides ...









