Report Pain

Sean Hellar

1 FEB 2022

1 Cheat Sheet

Command	Option	What this command/option combination does
`kill`	-9	Kills a *process* (a running instanceof a program) identified from its PID
grep	filename	searches directory for all files inlcuding that filename
grep	-R	reads all files under current directory
wc	-l	prints the amount of lines
sed	/g	replaces all files in the directory with specified characters
tr	-s	replaces each sequence of a repeated character with specified character
cut	column num	cleanly extracts specified columns from file
nl	-s	allows a string to be added after column number
sed	s/carrot star//	removes leading edge spaces from file
perl	-p	asummes while loop but also prints result
perl	-e	reads one line of program
if	-lt/gt	can create a check loop to make sure data fits paremeters

2 Sources

Used for exercise 4. Shows detailed uses of grep functions: `https://www.cyberciti.biz/faq/howto-search-find-file-for-text-string/`

Used for exercise 5. Shows how to remove extra spaces: `https://stackoverflow.com/questions/13092360/how-to-remove-extra-spaces-in-bash`

Used for exercise 6. Outlines the csvtool and benefits over awk: `https://stackoverflow.com/questions/19602181/how-to-extract-one-column-of-a-csv-file`

Used for exercise 7. Shows how to eliminate leading space before column: `https://unix.stackexchange.com/questions/117040/removing-spaces-from-first-column`

Used for exercise 8. Introduces using perl instead of sed. `https://stackoverflow.com/questions/13656215/how-can-i-use-sed-to-replace-blank-fields-in-a-csv-file-with-a-stri`

Honestly for exercise 9 I read through so many websites I lost track of where things came from. These are a few articles I read though. `https://stackoverflow.com/questions/32071879/access-cat-output-as-an-array-in-bash` `https://www.shell-tips.com/bash/math-arithmetic-calculation/` `https://stackoverflow.com/questions/450799/shell-command-to-sum-integers-one-per-line` `https://ryanstutorials.net/bash-scripting-tutorial/bash-if-statements.php`