

Notes 8

awk

Definition: A scripting language used for processing and displaying text. Awk can work with a text file or from standard output. Awk performs operations line by line.

Usage/Formula: `awk+options+{awk command}+file+file to save` (optional) **Examples:**

- `awk '{print $1}' ~/Documents/Csv/cars.csv`
- `awk -F '{print NR,$1,$3}' /etc/passwd`
- `awk -F '{print $1," = ",$NF}' /etc/passwd`

sed

Definition: A stream editor that performs operations on files and standard output. For instance it can search, find and replace, insert, and deletion. By using **SED** you can edit files without opening them.

Usage/Formula: `sed options+sed script+file` **Examples:**

- `sed 's/pizza/rice/' ``shopping-list.lst`
- `sed '1,3 s/pizza/rice/' shopping-list.lst`
- `sed G shopping-list.lst`

less

Definition: Pager programs are used for reading files 1 page at a time. They load the file to memory and allow you to move around the file. Just like reading the man page of a command. **Usage/Formula:** `pager program + files to read` **Examples:**

- `less ~/Documents/Books/dracula.txt`
- `less -N`
- `less -p "the"`

>

Definition: redirect output to a file (overwrite)

Usage/Formula: `command > file name` **Examples:**

- `echo "Hello" > file.txt`
- `ls > file_list.txt`

>>

Definition: Append output to a file

Usage/Formula: `command >> file name` **Examples:**

- `echo "Hello" >> file.txt`

- `ls >> directory_list.txt`
- `echo "New" >> log.txt`

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Definition: to pass the output of a command to another

Usage/Formula: `command 1 | command 2` **Examples:**

- `ls | grep "log"`
- `cat file.txt | sort`