

Notes 6

Awk Command

Definition

The awk command is a scripting language used for processing and displaying text

Usage

```
awk + options + {awk command} + file + file to save(optional)
```

Examples

- Print the first column of every line of a file
 - `awk '{print $1}' ~/Documents/Csv/cars.csv`
- Print first field of /etc/passwd file
 - `awk -F: '{print $1}' /etc/passwd`

Sed Command

Definition

the sed command is a stream editor that perform operations on files and standard output

Usage

```
sed options + sed script + file
```

Examples

- Replacing a string in a given file (replace pizza for rice)
 - ``sed 's/pizza/rice/' shopping-list.lst`
- Replacing the number of occurrences of a pattern in a file
 - `sed 's/pizza/rice/4' shopping-list.lst`

Less Command

Definition

Less command is a command used to read the contents of a text file one page at a time

Usage

```
less + options +file name
```

Examples

- Read the contents of dmseg command
 - `dsmege |less`

- Display line numbers of a text file

- `dsmege | less -N`

Alias command

Definition

Alias is a shorthand for a more complicated command

Usage

```
alias name_of_alias="command here"
```

Examples

- An alias to upgrade a linux (debian system)
 - `alias update"sudo apt update; sudo apt upgrade -y; sudo apt full-upgrade -y"`
- An alias to clean your system from unneeded packages
 - `alias clean'"sudo apt autoremove -y; sudo apt autoclean; sudo apt purge;"`

>

Examples

- save the output of a command to a file
 - `ls -lA ~ > all-files-in-home.txt`
- Save the error generated by a command to a file
 - `ls -lA downloads/ 2> error-of-ls`

>>

Examples

- Execute ls command and append data to files.txt
 - `ls>> files.txt`
- Add lines to the end of a file
 - `echo -e "Line 1\nline 2\nLine 3" >> example.txt`

| Pipe

Examples

- use grep to look for a string in a particular man page
 - `man ls | grep "human-readable"`
- Display only the options of the any command from its man page
 - `man ls |grep "'^[:space:]]*[:punct:]]"`