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`

>

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

| 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:]]"`