

Notes 8 for Chapter 8

Defenition

awk - is a scripting language used for processing and displaying text. Awk can work with a text file or form standard output. There are several implementations of Awk: nawk, mawk, gawk, and bsuybox. Awk performs operations line by line.

sed - is a stream editor that perform operations on standard output. It can search, find, replace, insert, and delete. Using **sed** you can edit files without opening them

less - is used to show a files contents one screen at a time.

> - when we use **>** on a file it is used for identifying open files on a given session using positive intergers.

>> - this command append the content of the file instead of displaying it on the screen

| - the pipe allows you to redirect the standard output of a command to the standard input of another.

Usage

For **awk** - **awk + options + {awk command} + file + file to save**

Sed - **sed options + sed script + file**

> - **command output + > + file**

| - **command_1 | command_2 | command_3 | | command_N**

Examples of Awk

```
awk '{print $1}' ~/Documents/Csv/cars.csv awk -F: '{print $1}' /etc/passwd awk -F: '{print $NF}' /etc/passwd
```

Examples of sed

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

Examples of >

```
ls -lA ~ > all-files-in-home.txt ls -lA downloads/ 2> /dev/null ls -lA downloads/ 2> error-of-ls
```

Examples of |

```
man ls | grep "human-readable" man ls | grep "^[:space:]*[:punct:]" head -2 file.lst | tail -1
```

Example of less

```
less ~/Documents/Books/dracula.txt
```