

Chapter 7 Notes

Definitions

cat - The cat comand is used for displaying the content of a file.

tac - The tac command is used for displaying the content of a file in reverse order.

head - displays the top N number of lines of a given file. By default, it prints the first 10 lines.

tail - displays the last N number of lines of a given file, it prints the last 10 lines.

cut - is used to extraact a specific section of each line of a file and display it to the screen.

sort is used for sorting files. The sort command supports sorting letters in reverse order, by number, and by month.

wc - is used for printing the number of lines, character and bytes in a file.

tr - is used for translating or deleting characters from standard output.

grep - is used to search text in given file, grep works line by line basis.

Usage

Usage - **cat+option+file(s)** to display

Usage - **tac+option+file(s)** to display

Usage - **head+option+file(s)**

Usage - **tail+option+file**

Usage **cut+option+files**

Usage **sort+option+file**

Usage **wc+option+files**

Usage Standard output|**tr + option + set + set**

Usage **grep+option+search criteria+files**

Examples **grep 'dracula' ~/Documents/dracula.txt grep -v 'war'**

~/Documents/books/war-and-peace.txt grep -c dracula ~/Documents/Books/dracula.txt

Examples

Examples of cat

- **cat todo.lst**
- **cat ~/Documents/todo/.lst**

- `cat -n ~/Documents/todo.lst`

Examples of tac

- `tac todo.md`
- `tac ~/Documents/totd.md`

Examples of head

- `head ~/Documents/book/dracula.txt`
- `head -5 ~/Documents/Books/dracula.txt`
- `head -n 1 *.csv *.py`

examples of tail

- `tail ~/Documents/Book/dracula.txt`
- `tail -5 ~/Documents/Book/Dracula.txt`
- `tail -n 1 *.csv *.py`

Examples of cut

- `cut -d ':' -f1 /etc/passwd`
- `cut -d ':' -f1,7 /etc/passwd`
- `cut -b 1-5 usernames.txt`

Examples of sort

- `sort users.lst`
- `sort -r user.txt`
- `sort -n phones.txt`

Examples of wc

- `wc -m users.txt`
- `wc -l users.txt`
- `wc -w users.txt`

examples of cat

- `cat file.txt|tr '."'','`
- `cat program.py|tr "[:space:]" '|t'`

Examples of grep

- `grep 'dracula' ~/Documents/dracula.txt`
- `grep -v 'war' ~/Documents/books/war-and-peace.txt`
- `grep -c dracula ~/Documents/Books/dracula.txt`