Notes 5:

Each of the commands used for handling text files

Cat

Definition

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

Usage

```
cat + option + file(s) to display
```

Examples

- Display
  - `cat todo.list`
- Cat Using Absolute Path:
  - `cat ~/Documents/todo.list`
- Cat displaying the content of a file with line numbers:
  - `cat -n ~/Documents/todo.md`

Tac

Definition

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

Usage

```
tac + option + file(s) to display
```

Examples

- Display the content of a file in the pwd:
  - `tac todo.md`
- Display the content of a file using absolute path:
  - `tac ~/Documents/todo.md`

Head

Definition

The head command displays the top N number of lines of a given file.

Usage

```
head + option + file(s)
```

Examples

- Display the first 10 lines of a file:
    - `head ~/Documents/Book/dracula.txt`
- Display the first 5 lines of a file:
    - `head -5 ~/Documents/Book/dracula.txt`

Tail

Definition

The tail command displays the last N number of lines given by a file.

Usage

```
tail + option + file
```

Examples

- Display the last 10 lines of a file:
    - `tail ~/Documents/Book/dracula.txt`
- Display the last 5 lines of a file:
    - `tail -5 ~/Documents/Book/dracula.txt`

Cut

Definition

The cut command is used to extract a specific section of each line of a file and display it to the screen.

Usage

```
cut + option + file(s)
```

Examples

- Display a list of all the users in your system:
    - `cut -d ';' -f1 /etc/passwd`
- Display a list of all the users in your system with their login shell:
    - `cut -d ';' -f1.7 /etc/passwd`
- Cut a rage of bites per line:
    - `cut -b 1-5 usernames.txt`

Sort

Definition

The sort command is used for sorting files.

Usage

```
sort + option + file
```

Examples

- Basic Example:
    - ```sort users.lst```
- Sort a file in reverse order:
    - ```sort -r users.txt```
- Check if a file is sorted:
    - ```sort -c sorted.lst```

Wc

Definition

The wc command is used for printing the number of lines, characters and bytes in a file.

Usage

```
wc + option + file(s)
```

Examples

- Display the number of characters in a file:
    - ```wc -m Users.txt```
- Display the number of lines in a file:
    - ```wc -l users.txt```
- Display the number of words in a file:
    - ```wc -w users.txt```

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diff

Definition

The diff command compares files and displays the differences between them.

Usage

```
diff + option + file1 + file2
```

Examples

- Display the difference between two files:
    - ```diff cars.csv cars-backup.csv```
- Display the difference between two files in a column format:

- diff -y cars.csv cars-backup.csv

Grep

Definition

Grep is used to search text in a given file.

Usage

```
grep + option + search criteria + file(s)
```

Examples

- Basic Example
  - grep 'dracula' ~/Documents/dracula.txt