notes 3

Echo

Definition: Used for displaying text on the screen. **Usage**:

- `echo` + `option` + `string to print` **Example**:
- Display/print a line of text
  - `echo "hello world"`
- Display a line of text with a horizontal tab
  - `echo -e \thello world"`
- Display 2 lines of text with a single echo command
  - `echo -e "this is line 1\nthis is line2"`

Date

Definition: Print or set the system date and time **Usage**:

- `data` + `option` **Example**:
- Display current date
  - `date`
- Display current date in rfc 5322 format
  - `date -R`

Free

Definition: Display amount of free and used memory in the system **Usage**:

- `free` + `options` **Example**:
- Display memory utilization
  - `free`
- Display memory utilization in human readable format
  - `free -h`

uname

Definition: Print systems information **Usage**: `uname` + `option` **Example**:

- Print all information
  - `uname -a`
- Print kernel information
  - `uname -s`
- Print node name
  - `uname -n`

History

Definition:

- Shows command line history **Usage**: `history` + `options` **Example**:
- Display session history
    - `history`
- Clear session history
    - `history -c`

Man

Definition: An interface to the system reference manuals **Usage**: `man` + `option` + `command` **Example**:

- Open the man page of echo command
    - `man echo`
- Open a specific man page
    - `man 5 passwd`
- show all available man pages
    - `man -f passwd`

apt

Definition: Aset of tools for managing debian packages **Usage**: `sudo`(if requierd) + `apt` + `apt action` + `package name` **Example**:

- Update and upgrade
    - `sudo apt update && sudo apt upgrade -y`
    - Install a program
        - `sudo apt install firefox`
    - remove a program
        - `sudo apt remove firefox`
    - Search for a program
        - `apt search "Web Browser"`
    - List all installed programs
        - `apt list --installed`

Snap

Definition: snaps are app packages for desktop,cloud and IoT that are easy to install, cross platform and dependency free. **Usage**: `sudo`(if needed) + `snap` + `action` +`package name` **Example**:

- Find a snap
    - `snap search "video player"`
- install a snap
    - `sudo snap install vlc`
- Remove a snap
    - `sudo snap remove vlc`
- Update snaps
    - `sudo snap refresh`

Flatpak

Definition: Flatpak is a next generation technology for packaging, distributing, and managing software in Linux. **Usage**: `sudo`(if needed) + `flatpak` + `action` + `package id` **Example**:

- search for package
    - `flatpak search "video player"`
- Install package
    - `flatpak install org.videolan.VLC`
- Remove flatpak
    - `flatpak remove org.videolan.VLC`
- Update packages
    - `flatpak update`