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 "heloo world"`
    - Display a line of text with a horizontal tab
        - `echo -e "\hello 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`
- Examples:
    - Display current date
        - `date`
    - Display current date in rfc 5322 format
        - `date -R`

Free

- Definition:
    - Display the amount of free and used memory in the system.
- Usage:
    - `free` + `option`
- Examples:
    - Display memory usage in human-readable format:
        - `free -h`
    - Display memory and swap usage:
        - `free -m`

Uname

- Definition:
    - Print system information such as the operating system name and version.

- Usage:
    - `uname` + `option`
- Examples:
    - Print the kernel information:
        - `uname -s`
    - Print all available system information:
        - `uname -a`
    - Print node name:
        - `uname -n`

History

- Definition:
    - Show the command history for the current session.
- Usage:
    - `history` + `option`
- Examples:
    - Display the session history:
        - `history`
    - Clear session history:
        - `history -c`

Man

- Definition:
    - An interface to the system refrence manuals
- Usage:
    - `man` + `option` + `command`
- Examples:
    - Open the man page of echo command;
        - `man echo`
    - Open a specific man page;
        - `man 5 passwd`
    - Show all availavbe man pages;
        - `man -f passwd`

Apt

- Definition:
    - A set of tools for managing debian packages
- Usage:
    - `sudo`(if required) + `apt` + `apt action` + `package name`
- Examples:
    - Update and upgarde;
        - `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 me`
- Examples:
    - 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 i Linux
- Usage:
    - `sudo`(if needed) + `flatpack` + `action` + `package id`
- Examples:
    - Search for package
        - `flatpack search "video player"`
    - Install package
        - `flatpak install org.videlan.VLC`
    - Remove flatpak
        - `flatpak remove org.videolan.VLC`
    - Update packages
        - `flatpak update`