# Notes 3

## echo

- definition:
  - Used to display text given on the screen
- Usage:
  - `echo` + `option` + `string`
- example:
  - display a line of text
    - `echo "hello"`
  - display text with a horizontal tab
    - `echo -e "\thello"`
  - display 2 lines of text on one command
    - `echo -e "hello\nworld"`

## date

- definition:
  - print or set the systems date and time
- Usage:
  - `date`+`option`+`format`
- example:
  - display the current time and date
    - `date`
  - display the time in month/day/year
    - `date +%D`
  - display time in coordinated universal time
    - `date -u`

## free

- definition:
  - display the amount of free and used memory in the system
- Usage:
  - `free`+`option`
- example:
  - display amount of memory
    - `free`
  - display amount of memory in bytes
    - `free -b`
  - display amount of memory in gigabytes
    - `free --giga`

## uname

- definition:
    - Print system information
- Usage:
    - `uname`+`option`
- example:
    - display os system
        - `uname`
    - display all system info
        - `uname -a`
    - display just the kernal name
        - `uname -s`

# history

- definition:
    - display all previous lines inputted
- Usage:
    - `history`+`option`
- example:
    - display history
        - `history`
    - clear history
        - `history -c`
    - write history t the history file
        - `history -w`

# man

- definition:
    - an interface to the system reference manuals
- Usage:
    - `man`+`options`+`section`+`page`
- example:
    - find the reference for date
        - `man date`
    - Lookup the manual pages referenced by smail and print out the short descriptions of any found
        - `man -f smail`

# apt

- definition:
    - command line interface for managing packages
- Usage:
    - `apt`+`options`+`command`+`package`
- example:
    - upgrade packages
        - `sudo apt upgrade`
    - installing a package

- - ▪ `sudo apt install vscode`
  - ○ removing a package
    - ▪ `sudo apt remove vscode`

## snap

- definition:
  - ○ command lets you install, configure, refresh and remove packages that work across many different Linux distributions
- Usage:
  - ○ `snap`+`options`
- example:
  - ○ installing snaps
    - ▪ `` `sudo snap install vscode ``
  - ○ run apps from snap
    - ▪ `snap run vlc`

## flatpak

- definition:
  - ○ Build, install and run applications and runtimes
- Usage:
  - ○ `flatpak`+`option`+`command`
- example:
  - ○ installing an application
    - ▪ `flatpak install "application name"`
  - ○ removing an application
    - ▪ `flatpak uninstall "application name"`
  - ○ updating an application
    - ▪ `flatpak update "application name"`