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# Notes 3

### echo

- Definitions:
  - Used for displaying text on the screen.
- Usage:
  - echo + option + string to print
- Examples:
  - Display a line of text.
    - echo "Hello World"
  - Display a line of text with a horizontal line.
    - echo -e "\tHello World"
  - Display 2 lines of text with a single echo command.
    - echo -e "This is line 1\nThis is line 2"

## date

- Definitions:
  - Print or set the system date and time.
- Usage:
  - date + option
- Examples:
  - Display current date.
    - date
  - Display current date in rfc 5322 format.
    - date -R

### free

- Definitions:
  - Display amount of free and used memory in the system.
- Usage:
  - free + option
- Examples:
  - Display memory utilization.
    - free
  - Display memory utilization in human readable format.
    - free -h

#### uname

- Definitions:
  - Print the system information.

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- Usage:
  - uname + option
- Examples:
  - Print all information.
    - uname -a
  - Print Kernel information.
    - uname -s
  - Print node name.
    - uname -n

# history

- Definitions:
  - Shows command line history.
- Usage:
  - history + option
- Examples:
  - Display session history.
    - history
  - Clear session history.
    - history -c

#### man

- Definitions:
  - An interface to the system reference manuals.
- Usage:
  - man + option + command
- Examples:
  - Open the man page of the echo command.
    - man echo
  - Open a specific man page.
    - man 5 passwd
  - Show all available man pages.
    - man -f passwd

## apt

- Definitions:
  - A set of tools for managing debian packages.
- · Usage:
  - (if needed) sudo + apt + action + package name
- Examples:
  - Search for a program.
    - apt search "Web Browser"

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- Update program.
  - sudo apt update -y
- Upgrade program.
  - sudo apt upgrade -y

### snap

- Definitions:
  - Snaps are app packages for desktop, cloud, and IoT devices which are easy to install, cross platform and dependency free.
- Usage:
  - (if needed) sudo + snap + action + package name
- Examples:
  - Find a snap.
    - snap search "video player"
  - Install a snap.
    - sudo snap install vlc
  - Remove a snap.
    - sudo snap remove vlc

# flatpak

- Definitions:
  - Flatpak is new technology for packaging, distributing, and managing software in Linux.
- Usage:
  - (if needed) sudo + flatpak + action + package id
- Examples:
  - Search for package.
    - flatpak search "video player"
  - Install package.
    - flatpak install org.videolan.VLC
  - Remove package.
    - flatpak remove org.videolan.VLC