

# Notes 3

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## echo

- **Definition:**
- Used for display 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:**
- the command display the current date and time or sets a system's date and time.
- **usage:**
- `date [option]... [+format]`
- **example:**
- Display the date in a custom format:
  - `date +%Y-%m-%d %H:%M:%S`

## free

- **Definition:**
- The command display the amount of free and used memory in the system.
- **usage:**
- `free[options]`
- **example:**
- show memory usage in human readable format
  - `free -h`

## uname

- **Definition:**
- The uname command prints system information such as the kernel version, system architecture and operating system name.
- **usage:**
- `uname [options]`
- **example:**
- Display detailed system information:
  - `uname -a`

## history

- **Definition:**
- it's display the list of previously executed commands in the terminal.
- **usage:**
- `history [option]`
- **example:**
- show the lat 10 commands executed
  - `history 10`
- **man**

- **Definition:**
- Used to show the manual of any command present in Linux.
- **usage:**
- `man [option] [commnad]`
- **example:**
- To view the manual for the "ls" command execute the following command:
- `man ls`

## apt

- **Definition:**
- It is package management command line utility used to manage software packages in debian based systems.
- **usage:**
- `sudo apt [command] [packge]`
- **example:**
- update packge list:
  - `sudo apt update`

## snap

- **Definition:**
- It is a package management system for installing, updating, and removing software package in a containerized format called snaps.
- **usage:**
- `sudo snap [command] [package]`
- **example:**
- list all installed snap packages:
- `snap list`

## flatpak

- **Definition:**
- It is another package management system for managing applications in sandboxed enviroments.
- **usage:**
- `flstpak [command] [options] [package]`

- ◦ **example:**
- list installed flatpak applications
- `flatpak list`