

# Notes 3

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## echo

- **Definition**
- Used for displaying text on screen
- **Usage**
- `echo + option + string to print`
- **Example**
- Display/print a line of text
- `echo "hello world"`
- Display a line of text with horizontal tab
- `echo -e "\thello world"`
- Display 2 lines of text with an echo command
- `echo -e "this is line one\nthis is line 2"`

## date

- **Definition**
- Display the current time and date
- **Usage**
- `date + option + format`
- **Example**
- display current date and time
- `date`
- display date from a specific time in the past
- `date -d "1 month ago"`
- print or set Coordinated Universal Time
- `date -u`

## free

- **Definition**
- Displays the amount of free and used memory
- **Usage**
- `free + format`
- **Example**
- Display the amount of memory in bytes
- `free -b`
- Display the amount of memory in kibibytes
- `free -k`
- Display the amount of memory in mebibytes
- `free -m`

## uname

- **Definition**
- Displays information about your system
- **Usage**
- `uname + option`
- **Example**
- display all system information
- `uname -a`
- Display network hostname
- `uname -n`
- Display the kernel name
- `Uname -s`

## history

- **Definition**
- Displays the shell command history
- **Usage**
- `history + command`
- **Example**
- Executes last command
- `history !!`
- Clears all command history
- `history -c`

## man

- **Definition**
- an interface to the system reference manuals
- **Usage**
- `man + option`
- **Example**
- Display the manual page for the program
- `man ls`
- Display all intro manual pages
- `man -a`
- Format the manual page for bash
- `man -t`

## apt

- **Definition**
- Set of tools for managing Debian packages
- **Usage**
- `apt + command + sudo`
- **Example**
- Remove packages and files
- `apt autoremove`

## snap

- **Definition**
- Tool to interact with snaps
- **Usage**
- `snap + options + sudo`
- **Example**
- Display all installed snap packages
- `snap list`
- Install a snap package
- `sudo snap install`
- Remove a installed snap package
- `sudo snap remove`

## flatpak

- **Definition**
- Build, install and run applications and runtimes
- **Usage**
- `flatpak + option + command`
- **Example**
- Show help options and exit
- `flatpak -h`
- Show debug information during command processing
- `flatpak -v`
- To update flatpak packages
- `flatpak update`