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 "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 line 2"
    Display text with no trailing newline:
        echo -n "hello world"
    Display a message with an environment variable:
        echo "User is $USER"
```

date

```
Definition:
    Used to display or set the system date and time.
Usage:
    date + option
Example:
    Display current date and time:
        date
    Display the date in a custom format:
        date "+%Y-%m-%d %H:%M:%S"
    Display the current date in UTC:
        date -u
```

free

```
Definition:
    Displays the system's memory usage (RAM and swap space).
Usage:
    free + option
Example:
    Display memory usage in kilobytes:
        free
    Display memory usage in human-readable format (MB, GB):
        free -h
```

```
        Display memory usage with the total swap memory:
            free -m
```

name

```
    Definition:
        Displays system information.
    Usage:
        uname + option
    Example:
        Display the system's kernel name:
            uname
        Display the system's kernel version:
            uname -r
        Display all system information:
            uname -a
```

history

```
    Definition:
        Displays a list of commands previously entered in the terminal.
    Usage:
        history + option
    Example:
        Display the list of commands entered:
            history
        Display the last 10 commands:
            history 10
        Clear the command history:
            history -c
```

man

```
    Definition:
        Displays the manual pages for commands, providing detailed help on
    usage.
    Usage:
        man + command
    Example:
        Display the manual page for echo:
            man echo
        Search for a specific term in manual pages:
            man -k "search_term"
```

apt

```
Definition:
    Package manager for managing software on Debian-based systems (e.g.,
Ubuntu).
Usage:
    apt + option + command
Example:
    Install a package:
        sudo apt install package_name
    Update the package list:
        sudo apt update
    Upgrade installed packages:
        sudo apt upgrade
```

snap

```
Definition:
    Package management system for installing and managing software on
Linux.
Usage:
    snap + option + command
Example:
    Install a snap package:
        sudo snap install package_name
    List installed snap packages:
        snap list
    Remove a snap package:
        sudo snap remove package_name
```

flatpak

```
Definition:
    A system for building, distributing, and running sandboxed desktop
applications on Linux.
Usage:
    flatpak + option + command
Example:
    Install a flatpak package:
        flatpak install flathub package_name
    List installed flatpak apps:
        flatpak list
    Run a flatpak app:
        flatpak run app_name
```