`mkdir` — **Make Directory**

Usage

Creates a new directory (folder) in the file system.

Formula

`mkdir [options] directory_name`

Examples

- Create a folder called `photos`.
- Create multiple folders at once: `images`, `videos`, `docs`.
- Create nested folders like `project/src/utils` using the `-p` option.

`touch` — **Create File or Update Timestamp**

Usage

Creates a new, empty file or updates the timestamp of an existing file.

Formula

`touch [options] filename`

Examples

- Create a file called `todo.txt`.
- Create several files like `file1.txt`, `file2.txt`, and `file3.txt`.
- Update the last-modified time of an existing file named `log.txt`.

`rm` — **Remove File or Directory**

Usage

Deletes one or more files or directories from the system.

Formula

`rm [options] target`

Examples

- Delete a file called `junk.txt`.
- Force-delete a file without asking for confirmation.
- Recursively delete a folder and everything inside it.

`rmdir` — **Remove Empty Directory**

Usage

Deletes a directory only if it is completely empty.

Formula

`rmdir [options] directory_name`

Examples

- Remove an empty folder called `temp`.
- Remove multiple empty folders like `dir1` and `dir2`.
- Remove an empty folder inside another folder like `backup/old`.

`mv` — **Move or Rename**

Usage

Moves a file/folder to a new location or renames it.

Formula

`mv [options] source destination`

Examples

- Rename `old.txt` to `new.txt`.
- Move `report.pdf` into the `documents` folder.
- Move and rename a folder from `drafts/` to `final/version1/`.

`cp` — **Copy Files or Folders**

Usage

Copies files or folders to another location.

Formula

`cp [options] source destination`

Examples

- Copy `notes.txt` to a file named `notes_backup.txt`.
- Copy a file into a folder like `cp logo.png assets/`.
- Copy an entire folder including its contents using the `-r` option.

`file` — **Identify File Type**

Usage

Displays the file type (like text, image, binary, script, etc.).

Formula

```
file [options] filename
```

Examples

- Check the type of `main.cpp` (like C++ source file).
- Identify whether `image.jpeg` is a JPEG, PNG, or other format.
- Check all files in a folder to see what types they are.