✅ Task 1: File Upload and Download System

📝 Problem Statement

Add a **file upload form** to your website (or existing project).
After uploading:

- Store the file in a folder (`uploads/`)
- Show a **Download button/link** to download the same file.

🧩 Requirements

- Use HTML `<form>` with `enctype="multipart/form-data"`
- Use PHP `$_FILES` and `move_uploaded_file()`
- Use PHP headers to download the file

🧪 Expected Features

- Upload any file (PDF, image, text, etc.)
- Save it in `uploads/` folder
- Show success message
- Provide **Download** button to download the uploaded file

💡 Real-world Example

Like **Google Drive / LMS assignment upload and download**.

✅ Task 2: Explore PHP File Functions

📝 Problem Statement

List and demonstrate **all major PHP file functions** using examples.

🧩 Students should write programs using:

🔹 **File Read/Write**

- `fopen()`
- `fclose()`
- `fread()`
- `fwrite()`
- `file_get_contents()`
- `file_put_contents()`
- `file()`

🔹 **File Information**

- `file_exists()`
- `filesize()`
- `filetype()`
- `fileatime()`
- `filemtime()`
- `filectime()`

- `fileperms()`
- `fileowner()`
- `filegroup()`
- `fileinode()`

🔹 **File & Folder Management**

- `copy()`
- `rename()`
- `unlink()`
- `mkdir()`
- `rmdir()`
- `is_file()`
- `is_dir()`

🔹 **Directory Handling (Parsing Directories)**

- `scandir()`
- `opendir()`
- `readdir()`
- `closedir()`
- `getcwd()`
- `chdir()`

🔹 **File Locking**

- `flock()`

🧪 Expected Output

- Display file contents
- Display file size, type, times, permissions
- Show list of files in a directory
- Create, rename, copy, delete files and folders
- Show current working directory and change it

💡 Real-world Example

Like **file manager**, **log system**, **AI tool saving logs**, **Google Docs file info panel**.

✅ Task 3: File Operation Modes

📝 Problem Statement

Demonstrate **all file open modes** using `fopen()` and explain their behavior.

🧩 Students must write programs for:

- `r` → Read only
- `w` → Write only (erase old data)
- `a` → Append only
- `x` → Create new file (fail if exists)
- `r+` → Read & Write

- `w+` → Read & Write (erase old data)
- `a+` → Read & Append
- `x+` → Create new file for Read & Write

Okay Now if you guys did it by learning then -
Here is a Simple project you have in your hands -

It is a File Manager application we see usually in our phones / PCs

Build a Mini File Manager

- Features:
- Upload file
- List uploaded files (using scandir() / readdir())
- Show file size & last modified time
- Download file
- Delete file
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