

User Guide – File Organizer Script

Project Name:

Python Automation: File Organizer

Purpose

This script automates the process of organizing a messy folder by:

- Detecting file types based on extensions
- Automatically creating destination folders
- Moving files and logging all actions

Prerequisites

- Python 3.x installed
- Basic terminal/command prompt usage

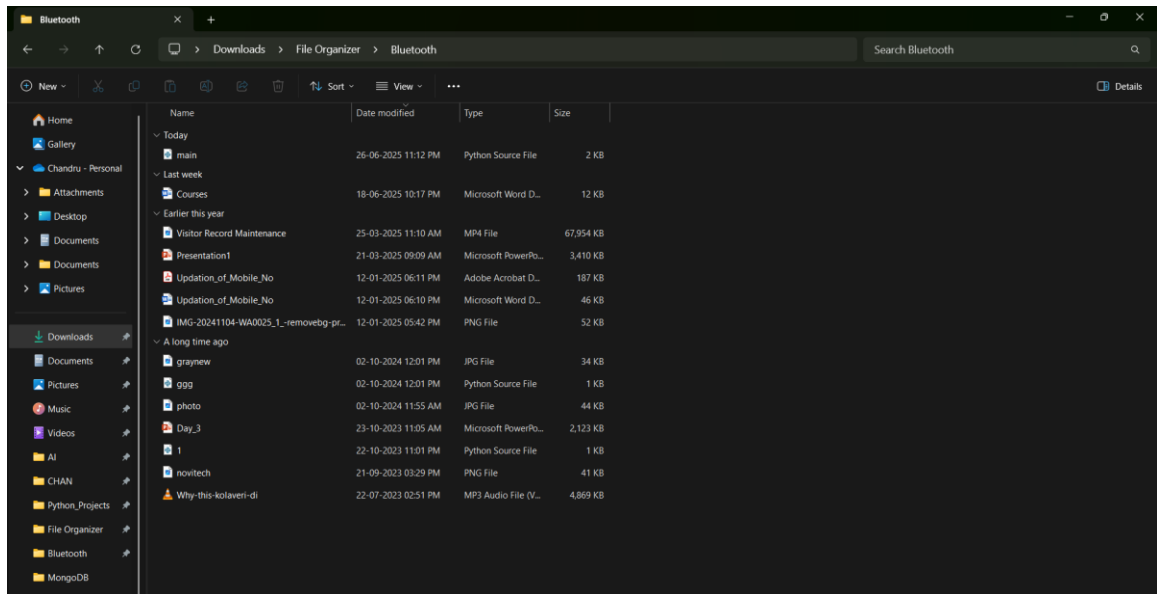
How to Run the Script

1. Open your terminal or command prompt
2. Navigate to the folder where the script is saved
3. Run the script using:
`python file_organizer.py`
4. Input the full path of the folder you want to organize
Example: C:\Users\YourName\Downloads
5. The script will:
 - Create folders based on extensions (e.g., pdf/, jpg/)
 - Move files to their respective folders
 - Create a file_organizer.log with move status & errors

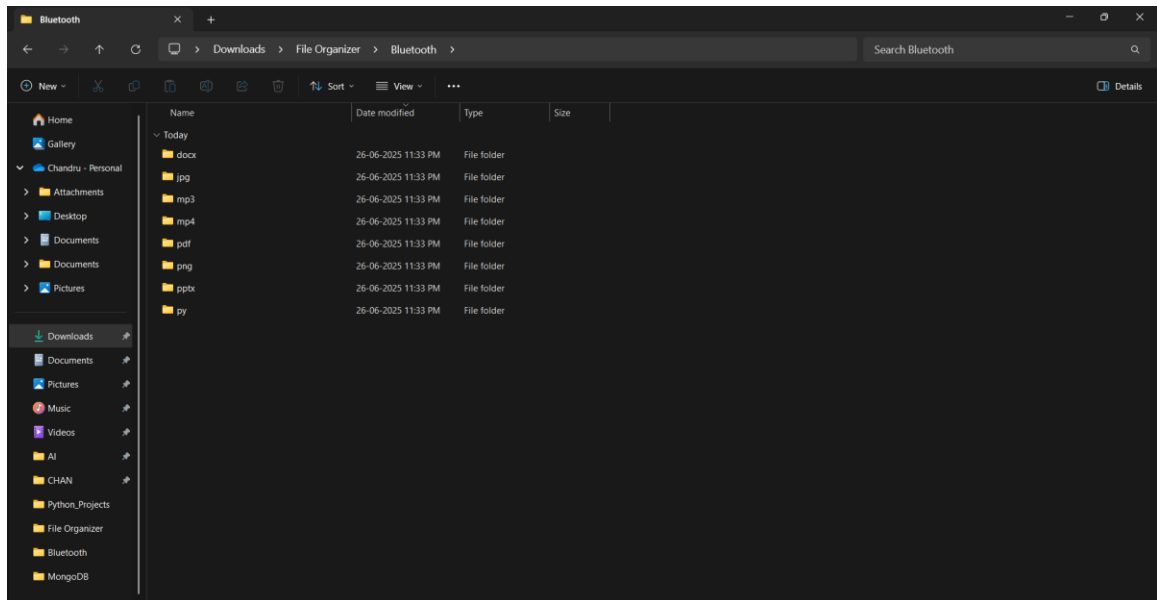
Before and After Organization

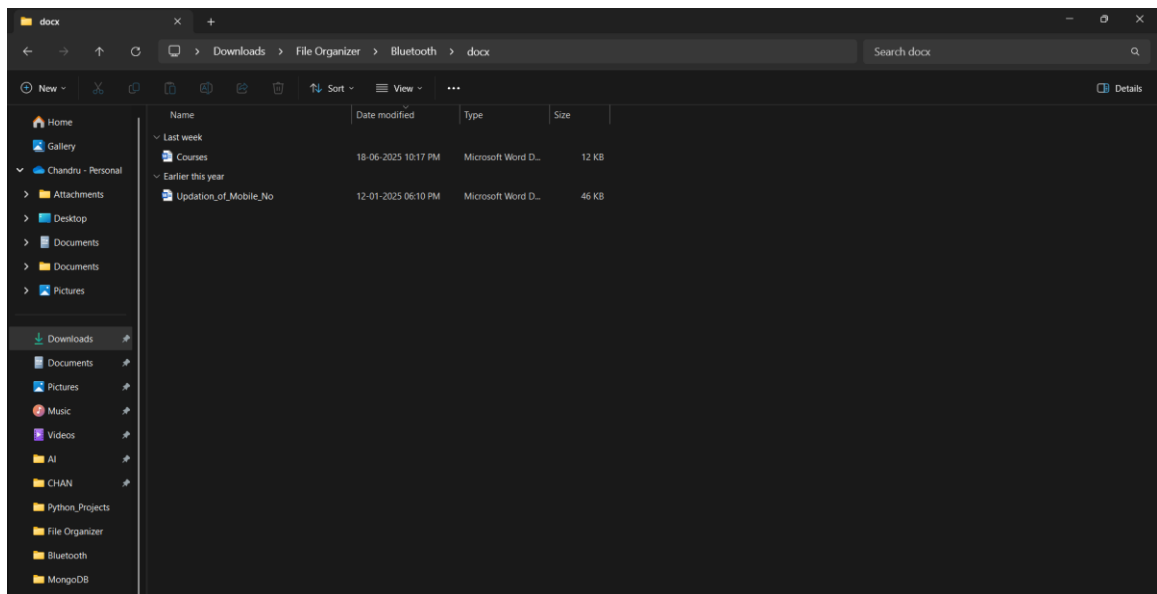
You can capture two screenshots and insert them here manually:

1. Folder before running the script (all files mixed)



2. Folder after running the script (files sorted into subfolders)





Output Files

- file_organizer.log – contains info and error logs

```

File Edit View

2025-06-26 23:33:19,336 - INFO - Moved '1.py' to 'py/'
2025-06-26 23:33:19,341 - INFO - Moved 'Courses.docx' to 'docx/'
2025-06-26 23:33:19,343 - INFO - Moved 'Day_3.pptx' to 'pptx/'
2025-06-26 23:33:19,347 - INFO - Moved 'ggg.py' to 'py/'
2025-06-26 23:33:19,350 - INFO - Moved 'graynew.jpg' to 'jpg/'
2025-06-26 23:33:19,354 - INFO - Moved 'IMG-20241104-WA0025_1-removebg-preview.png' to 'png/'
2025-06-26 23:33:19,358 - INFO - Moved 'main.py' to 'py/'
2025-06-26 23:33:19,363 - INFO - Moved 'movitech.png' to 'png/'
2025-06-26 23:33:19,365 - INFO - Moved 'photo.jpg' to 'jpg/'
2025-06-26 23:33:19,369 - INFO - Moved 'Presentation1.pptx' to 'pptx/'
2025-06-26 23:33:19,375 - INFO - Moved 'Update_of_Mobile_No.docx' to 'docx/'
2025-06-26 23:33:19,381 - INFO - Moved 'Update_of_Mobile_No.pdf' to 'pdf/'
2025-06-26 23:33:19,386 - INFO - Moved 'Visitor Record Maintenance.mp4' to 'mp4/'
2025-06-26 23:33:19,393 - INFO - Moved 'Why-this-kolaveri-di.mp3' to 'mp3/'
2025-06-26 23:33:19,396 - INFO - Total files moved: 14

```

- Folders created: based on file extensions

Error Handling

- Handles non-existent directories
- Handles permission errors
- Automatically renames duplicate files with a timestamp

Tips

- Test on a sample folder first
- Avoid running on system folders directly
- Review file_organizer.log for any issues