# ****Code Description****

The file app.py is a Python script designed to automatically organize the files in a directory. It utilizes the Flask framework to provide a web interface and Webview to create a desktop application window, making the organization process both simple and intuitive.

## **Key **Features**:**

### ****File Classification:****

The program identifies each file type based on its extension by using a dictionary that maps extensions to specific categories (such as Images, Documents, Music, Videos, Compressed Files, Executables, Scripts, 3D Files, and Others).

### ****Automated Organization:****

Each file is moved to its corresponding category folder, keeping the directory organized without the need for manual intervention.

### ****Conflict Management:****

To prevent overwriting files with the same name, the script uses a hash verification system (SHA-256) and renames duplicate files when necessary.

### ****Permission Verification:****

Before performing any operation, the script checks that it has the appropriate permissions to read from and write to the directory, ensuring security throughout the process.

### ****Detailed Logging:****

All actions are recorded in logs, making it easier to identify errors and monitor system performance.

### ****Intuitive Graphical Interface:****

By combining Flask and Webview, the user can select the desired folder, preview the organization, and initiate the process with just a few clicks.

This code offers a practical and secure solution for keeping your files organized, making data access and management efficient and hassle-free.