Qn. Organize Files by Extension

Write a script that:

- **Scans a directory** *for files.*
- **Moves them into separate folders** *based on their extensions (*`.txt, .jpg, .pdf`*)*
- *If a folder for an extension does not exist,* **create it first***.*

Example Usage:

```
./organize_files.sh /home/user/Documents
```

The script file is named **organize_files.sh,** and it takes **/home/user/Documents** as an argument, which represents the directory path to be scanned.

Expected Outcome:

- All .txt files moved to /home/user/Documents/txt/
- All .jpg files moved to /home/user/Documents/jpg/
- All .pdf files moved to /home/user/Documents/pdf/

Question In brief:

The script **organize_files.sh** should accept any directory path as an argument. It will scan the specified directory, identify files based on their extensions, and move them into separate subfolders within the same directory. If the required subfolders do not exist, the script will create them automatically.

You can download a **sample ZIP file** containing multiple files with different extensions from the following link:

Download Extended Sample Files

*Upon task submission, the script should be **explained line by line** in a **Google Meet session**, ensuring clarity in logic, commands, and execution flow.*