

Folder and File Structure

The following structure ensures a clear and consistent organization of tasks:

1. Main Directory:

- Named using the format: GID_Firstname
- Example: 164552_Akshat

2. Task-Specific Subfolders:

- Subfolders named after the task (TaskName) are created within the main directory.
- Example: DennisR

3. File Naming Convention:

- Files are named using the format:
GID_Firstname_TaskName_Module_TaskID.SubTaskID<extension>
- Extensions can be one of the following:
 - .c (C source file)
 - .h (Header file)
 - .sh (Shell script)
 - .xls (Excel file)
 - .ko (Kernel object file)
 - .a (Static library)
 - .so (Shared library)
- For example You Created DennisR For that there are 8 submodules so the name should be as

164552_Akshat_DennisR_Module1_T006 -→ This is Module1 means chapter1 in case of dennisR.

Now Inside Module1 (Means Chapter1) there are few exercises so the name should be as follows

164552_Akshat_DennisR_Module1_T006_1_1.c

4. Follow the below table for the TASK_ID and TASK_NAME

Task ID	Task Name	SubTask Count
T001	Timesheet	1
T002	Linux Fundamentals	18
T003	Git Push	1
T004	Makefile	1
A001	Linux Assessment	1
T005	Coding Standards	1
T006	Denis Ritchie	8
T007	Test Cases	1
T008	Unity Framework Testing	1
T009	Static & Dynamic	2
T010	Yashwant Kanetkar Exercises	2
T011	Data Structure	5
T012	File System	9
T013	Process	10
T014	Socket	10
T015	Memory	10
T016	Linux Kernel	10
T017	Linux Kernel Module Programming	10
T018	Device Driver Writing	10
T019	AOSP	10

Below Are the Example Folder Structure For the Above Instructions

1) Main Directory

Name	Status	Date modified	Type	Size
164552_Akshat	✓	12/12/2024 12:54 PM	File folder	

2) Inside Main Directory

Name	Status	Date modified	Type	Size
Dennis_Ritchee	✓	12/12/2024 12:56 PM	File folder	
Linux_Fundamentals	Cloud	12/12/2024 1:01 PM	File folder	
Review_Sheet	✓	12/12/2024 12:54 PM	File folder	
Timesheet	✓	12/12/2024 12:58 PM	File folder	

3) For Example, Dennis Ritchie Have Subtasks so the subfolder looks like as below

Name	Status	Date modified	Type	Size
164552_Akshat_Dennis_Ritchee_Module1_T006	✓	12/12/2024 12:57 PM	File folder	
164552_Akshat_Dennis_Ritchee_Module2_T006	✓	12/12/2024 12:55 PM	File folder	
164552_Akshat_Dennis_Ritchee_Module3_T006	✓	12/12/2024 12:55 PM	File folder	
164552_Akshat_Dennis_Ritchee_Module4_T006	✓	12/12/2024 12:55 PM	File folder	
164552_Akshat_Dennis_Ritchee_Module5_T006	✓	12/12/2024 12:55 PM	File folder	
164552_Akshat_Dennis_Ritchee_Module6_T006	✓	12/12/2024 12:56 PM	File folder	
164552_Akshat_Dennis_Ritchee_Module7_T006	✓	12/12/2024 12:55 PM	File folder	
164552_Akshat_Dennis_Ritchee_Module8_T006	✓	12/12/2024 12:56 PM	File folder	

4) Now Module1 has few exercises so the naming convention of that files is as follows

Name	Status	Date modified	Type	Size
164552_Akshat_Dennis_Ritchee_Module1_T006_1_1		12/12/2024 1:05 PM	C File	1 KB
164552_Akshat_Dennis_Ritchee_Module1_T006_1_2	✓	12/12/2024 1:05 PM	C File	4 KB
164552_Akshat_Dennis_Ritchee_Module1_T006_1_3	✓	12/12/2024 1:05 PM	C File	4 KB
164552_Akshat_Dennis_Ritchee_Module1_T006_1_4	✓	12/12/2024 1:05 PM	C File	1 KB

5) Likewise for all the task you have to maintain this folder structure if there is no subTasks of the given task then no need to create sub-folders. Like for Timesheet example is given below

Name	Status	Date modified	Type	Size
164552_Akshat_TimeSheet_T001	✓	12/12/2024 12:57 PM	Microsoft Excel Work...	7 KB

6)

Example: Folder and File Structure for GID 164552 (Akshat)

Input Details:

- **GID:** 164552
- **First Name:** Akshat
- **Task Names:**
 - Timesheet (T001)
 - Denis Ritchee (T006)
- **SubTask Count:**
 - Timesheet: 1 SubTask
 - Denis Ritchee: 8 SubTasks

Generated Structure:

Main Directory: 164552_Akshat

Subfolder: Timesheet

- File Created: 164552_Akshat_Timesheet_T001.1.c

Subfolder: Denis Ritchee

- Files Created:
 - 164552_Akshat_DenisR_T006.1.c
 - 164552_Akshat_DenisR_T006.2.c
 - 164552_Akshat_DenisR_T006.3.c
 - 164552_Akshat_DenisR_T006.4.c
 - 164552_Akshat_DenisR_T006.5.c
 - 164552_Akshat_DenisR_T006.6.c
 - 164552_Akshat_DenisR_T006.7.c
 - 164552_Akshat_DenisR_T006.8.c

