LAB RECORD

Summer Internship-2025

TOPIC: Learning Bash Script Basics

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26th May 2025-21st July 2025

CONTENTS

WEEK-1

Monday–26th May 2025

a. <u>Setting up a GitHub account</u>

Created a GitHub account to maintain a Lab record throughout the internship period. Created a repository [GayathriSP24/Summer-Internship-2025: Summer Internship-2025 May 26- July 21](#) to enter daily records.

b. <u>Setting up the Linux Platform</u>

Tried setting up MobaXterm, which seemed to have trouble functioning on the PC. Later, with a friend's help, I was able to set up WSL and Ubuntu, saving the day. Did ran some random commands to see if it is working. So, at the end of the day, I have learnt that WSL is already in our Windows 10 and 11 PC, but by turning it on and installing Ubuntu you can run a Linux terminal on a Windows PC.

Tuesday–27th May 2025

a. <u>Working on PPT</u>

After reaching the lab at 9:30, I started working on the presentation for the chapter Bash basics, while trying out every command I came across. Since I needed to brush up on the first 2 chapters before moving to the 3rd Chapter, I decided to revise while making the PPT. Got to know a lot regarding the format of each command to run on a terminal, which I started to record in a Word document. Also, after talking with a friend in the lab, I have decided to try working in VS Code and Notepad to take down. At the end of the day, I have completed the presentation.

b. <u>Updating the Repository</u>

After uploading yesterday's lab record in a Word document last night, it was today that I realised that you can't update the Word document on the platform. So, I converted it to a PDF and uploaded it.

Wednesday–28th May 2025

a. <u>Working on PPT</u>

After reaching the lab at 9:30, I started working on the presentation for the chapter Command-line editing, the second chapter of the book, while brushing up on the topics. I was able to complete up to 2.4. I learnt that my default is vi mode and how

to shift to emacs editing mode. I am currently working on the command keys of Emacs one by one while making the presentation.

b. <u>Setting up and working on VS Code</u>

I have installed VS Code in between and shifted to its terminal while using Notepad to copy commands. While working on VS code, I realised that although better to save the commands, VS code at times intercepts certain control keys, like Ctrl+E, etc.

Thursday–29th May 2025

a. <u>Working on PPT</u>

Today's target was to complete Chapter 2 in terms of reviewing and presentation, and to finish the video for Chapter 1 for submission. After arriving at the lab at 9:45, I began working on the presentation using Ubuntu. By 4:15 pm, I had completed the presentation and revised it.

b. <u>Video recording- Chapter 1</u>

By evening, I worked on recording the video using the presentation for chapter 1, which I submitted via Google Classroom. In the end, I submitted this lab record for the day.

Friday–30th May 2025

a. <u>Learning Chapter 3</u>

After arriving at 9:30, I started studying chapter 3, which is about customising our working environment. I was able to complete topics such as special files, Options, and the alias command. Currently, I have reached the shell variables. Throughout the day, I was able to work more efficiently in VS Code compared to how I was at the beginning of the week.

Saturday–31th May 2025

a. <u>Video recording - Emacs editing mode.</u>

Today I decided to work from my room instead of the lab. I have been working on the video part of chapter 2. I recorded the Emacs editing mode in the terminal for the PPT.

WEEK- 2

Monday–2nd June 2025

a. <u>Working on chapter 3</u>

I clocked in at 9:45 am and started working on studying chapter 3 about customising The environment while working on VS Code. By 5 pm, I was left with 12 pages of the chapter, which will be completed by tomorrow.