

LAB-NOTEBOOK

**SUMMER INTERSHIP 2025 - LEARNING BASH SCRIPTING BASICS.**

# DEPARTMENT:- BIOLOGICAL SCIENCES

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16th JUNE 2025:-

Today, I completed an in-depth review of Chapter 1. Topics covered included an Overview of the Shell and Bash environments, working with files and directories,

Common commands and their usage, Use of quoting and quotation marks in Bash,

Manage background jobs and practice codes in Bash scripting.

17th JUNE 2025:-

Today, I completed an in-depth review of Chapter 2. Topics covered included different categories of commands, editing modes, and command manipulation techniques. Also explored the structure and functionality of the Bash environment, including command history features and customization through startup configuration files. Additionally, recorded Chapter 1.

18th JUNE 2025:-

Today I studied Chapter 3 and covered core topics including file system navigation, viewing and modifying file content, redirecting input and output, combining utilities for data processing, and working with simple automation tools.

Chapter 4 introduced the fundamentals of process and job control, discussing task execution in different modes, suspending and resuming tasks, handling multiple processes, and managing system resources.

19th JUNE 2025:-

Expanded on process and job management techniques, including handling background tasks and managing signals. Emphasized methods to ensure shell session stability and control over running processes.Explored ways to personalize and optimize the shell environment through variable configuration, prompt customization, and session initialization settings. Highlighted the role of environment settings in enhancing user efficiency.