



Assignment - 06

ENH 1301 - Application Laboratory

Instructions :

Time: 40 minutes

- Instructions
- Students are not allowed to use the internet or mobile phones during the assignment.
- Follow the instructions given in the activities and do the relevant tasks exactly as described in the provided instructions.
- Take the screenshots of the commands and outputs according to the questions
- Create a pdf file, rename it with your index number and upload it to the Submission link.
- All work must be your own; collaboration is not allowed.

Activity 1

1. Write a script `setup_logs.sh` :
 - a. to create a directory `project_logs` in the home directory.
 - b. Inside `project_logs`, create 10 log files: `log1.txt ... log10.txt`.
 - c. Insert current date, hostname, and username into each file using variables.
 - d. Append "Created by <your name>" in each file.
 - e. Use a loop to add a random number between 100–999 to each file as a test value.
2. Write a script `backup_logs.sh` to:
 - a. Create a subfolder `backup_logs`.
 - b. Copy all `.txt` files into `backup_logs`.
 - c. Set permissions so only owner can read/write/execute; group can read; others no access.
3. Use wildcards in a script `search_logs.sh` to:
 - a. Find all files containing the number 5.
 - b. Append matching filenames to `found_logs.txt`.
 - c. Viva / Instructor Modifications (Different per Student)
4. Script `setup_reports.sh`:

- a. to create a folder reports_2025.
 - b. Generate 12 files: report_Jan.txt ... report_Dec.txt.
 - c. Insert a line "This is the <month> report" in each file.
5. Script process_reports.sh to:
- a. Display files starting with report_J or report_M.
 - b. Create a folder called "moved"
 - c. Move files with odd-numbered months to a folder called "moved"
 - d. Delete files , start with J