



Assignment - 04

ENH 1301 - Application Laboratory

Instructions

Time : 45 minutes

- **Do the following questions using the terminal .**
 - **Write the answers to the question and take the necessary screenshots for proof.**
 - **Create a PDF file that includes screenshots and answers.**
 - **Rename the file using your temporary index number (Eg. 230011.pdf) and upload it in the given link.**
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1. Create a directory named `project_space` inside your home directory and inside it create a file called `draft.lock` with no permissions for group and others.
 2. Using a single command, create three files inside `project_space`: `task.md`, `summary.log`, and `record.csv`.
 3. Add the line "Linux is powerful" to a file named `task.md` using redirection without opening any editor.
 4. Change permissions of all `.log` and `.md` files inside `project_space` so that only the owner can read and write.
 5. Copy all `.csv` files from the `project_space` directory into a new directory called `csv_backup` (create the directory first).
 6. Move the file `draft.lock` to your home directory and rename it to `final.lock` in one step.
 7. List only those files in `project_space` that have filenames of exactly five characters followed by a `.md` extension.

8. Create two files a.txt and b.txt with one line each. Then combine their contents and store the output in a new file combined_output.txt.
9. Create a directory sandbox, and inside it create three files with a .tmp extension. Then, create a subdirectory and add two more .tmp files there. Delete all .tmp files inside the sandbox and its subdirectory in one command.
10. Using a one-liner, create a directory called scripts, add a file run.sh inside it, write echo "Hello World" into it, and make it executable.
11. Create a file userlist.txt with the content of the /etc/passwd file using a redirection operator.
12. Display the content of userlist.txt one page at a time in the terminal without using cat or less.
13. Create a directory named delete_test with two empty files and one subdirectory. Then delete only the files, not the folder or subfolder.
14. In your current directory, create the following files: a.sh, b.py, c.js, abcd.sh. Then, list only those files that end in .sh and have exactly four characters in the name.
15. Create three text files and give them these contents using echo and redirection:
line1.txt → "first"
line2.txt → "second"
line3.txt → "third"
Then, print all three contents in reverse order using a single command line.