



## **Assignment - 04**

### **ENH 1301 - Application Laboratory**

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**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.**
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.