

Lab Assignment

Basic Linux Commands

Objective: The purpose of this assignment is to test the understanding of the students on basic linux commands.

Instructions:

- 1. The assignment consists of 16 questions on performing tasks related to linux commands.**
 - 2. Students should execute the appropriate command for each task asked in the questions.**
 - 3. Students are required to have the linux operating system installed on their machines to complete this assignment.**
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1. Using the command line, create a new directory called "my_folder".
 2. Inside the "my_folder" directory, create a new file called "file_a" with the following content:

A group of children discover a lake.
A young prodigy becomes orphaned.
A middle-aged woman discovers a ghost.
 3. Create one more empty file with the name "file_b" inside the directory "my_folder".
 4. Copy the contents of "file_a" to "file_b".
 5. Navigate to the home directory.
 6. Move the "file_a" file from the "my_folder" directory to the home directory using the command line.
 7. Rename the "file_a" file in the home directory to "renamed_file".
 8. List the permissions of the files in the "my_folder" directory.
 9. Remove the directory named "my_folder"

10. Change the permissions of the "renamed_file" file in the home directory to the following permissions:

Read,Write and execute for Owner

Read and execute for Group

Only read for Other users

11. Change the owner and group of file "renamed_file" to root user
12. List all files in the home directory along with details like permissions,owner,size,group and write this output to a new file called "list_of_files".
13. List only the directories in the home directory.
14. Count the number of lines in the file named "renamed_file".(Note: wc -l is the command used to count no. of lines).
15. Create a new empty file in the home directory called "new_file". Use nano editor to write 3 lines of text in the "new_file".
16. Concatenate the contents of "renamed_file" and "new_file" to create a new file called "final_file".