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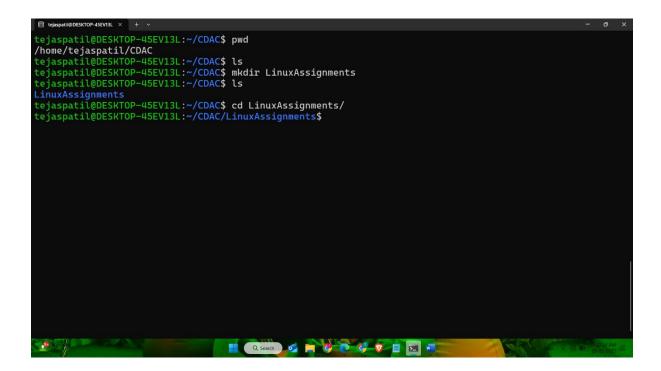
Concepts of Operating System

Assignment 1

Problem 1: Read the instructions carefully and answer accordingly. If there is any need to insert some data then do that as well.

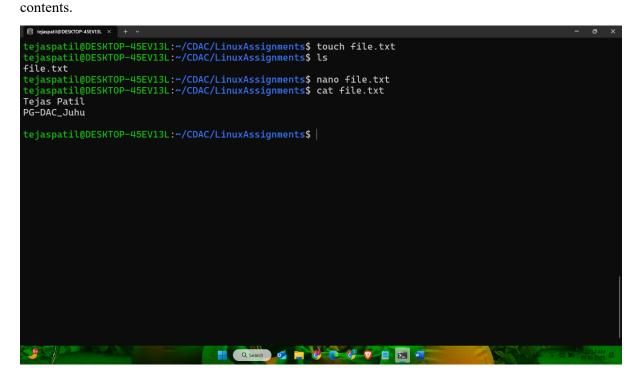
a) Navigate and List:

a. Start by navigating to your home directory and list its contents. Then, move into a directory named "LinuxAssignment" if it exists; otherwise, create it.



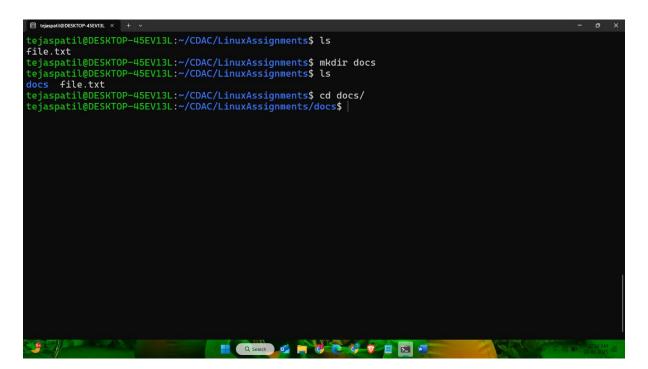
b) File Management:

a. Inside the "LinuxAssignment" directory, create a new file named "file1.txt". Display its



c) Directory Management:

a. Create a new directory named "docs" inside the "LinuxAssignment" directory.



d) Copy and Move Files:

a. Copy the "file1.txt" file into the "docs" directory and rename it to "file2.txt".

e) Permissions and Ownership:

a. Change the permissions of "file2.txt" to allow read, write, and execute permissions for the owner and only read permissions for others. Then, change the owner of "file2.txt" to the current user.

```
tejaspatil@DESKTOP-45EV13L:~/CDAC/LinuxAssignments$ cd docs/
tejaspatil@DESKTOP-45EV13L:~/CDAC/LinuxAssignments/docs$ chmod 744 file.txt
tejaspatil@DESKTOP-45EV13L:~/CDAC/LinuxAssignments/docs$ ls -l
total 4
-rwxr--r-- 1 tejaspatil tejaspatil 25 Feb 28 00:20 file.txt
tejaspatil@DESKTOP-45EV13L:~/CDAC/LinuxAssignments/docs$ chmod $(whoami) file.txt
chmod: invalid mode: 'tejaspatil'
Try 'chmod --help' for more information.
tejaspatil@DESKTOP-45EV13L:~/CDAC/LinuxAssignments/docs$ chown $(whoami) file.txt
tejaspatil@DESKTOP-45EV13L:~/CDAC/LinuxAssignments/docs$ ls -l
total 4
-rwxr--r-- 1 tejaspatil tejaspatil 25 Feb 28 00:20 file.txt
tejaspatil@DESKTOP-45EV13L:~/CDAC/LinuxAssignments/docs$ |
```

f) Final Checklist:

a. Finally, list the contents of the "LinuxAssignment" directory and the root directory to ensure that all operations were performed correctly.