Assignment-II

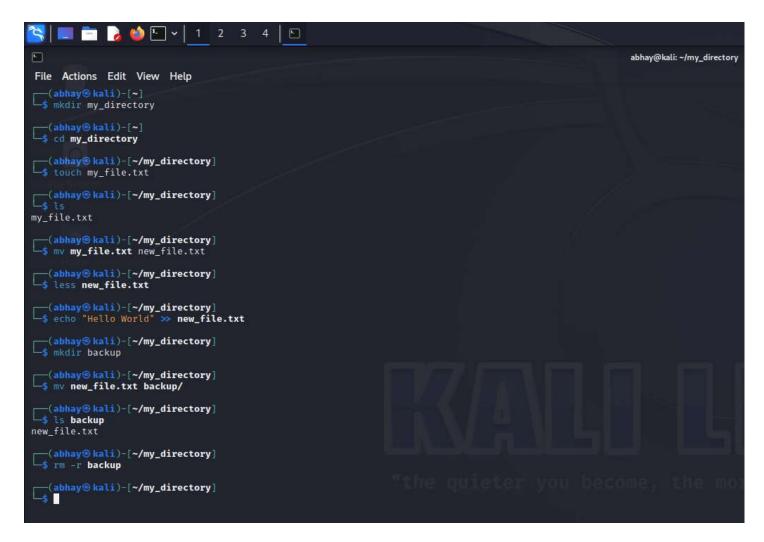
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Task 1: File and Directory Manipulation

- Create a directory called "my directory".
- Navigate into the "my directory".
- Create an empty file called "my_file.txt".
- List all the files and directories in the current directory.
- Rename "my file.txt" to "new file.txt".
- Display the content of "new_file.txt" using a pager tool of your choice.
- Append the text "Hello, World!" to "new_file.txt".
- Create a new directory called "backup" within "my_directory".
- Move "new_file.txt" to the "backup" directory.
- Verify that "new file.txt" is now located in the "backup" directory.
- Delete the "backup" directory and all its contents.





A backup folder have been created inside "my_directory" directory and a renamed "new_file.txt" file have been moved into it. Finally, the backup folder and all the files in have been successfully deleted.

Task 2: Permissions and Scripting

- Create a new file called "my_script.sh".
- Edit "my_script.sh" using a text editor of your choice and add the following lines:

#!/bin/bash
echo "Welcome to my script!"
echo "Today's date is \$(date)."

- Save and exit the file.
- Make "my_script.sh" executable.
- Run "my_script.sh" and verify that the output matches the expected result.

Output:

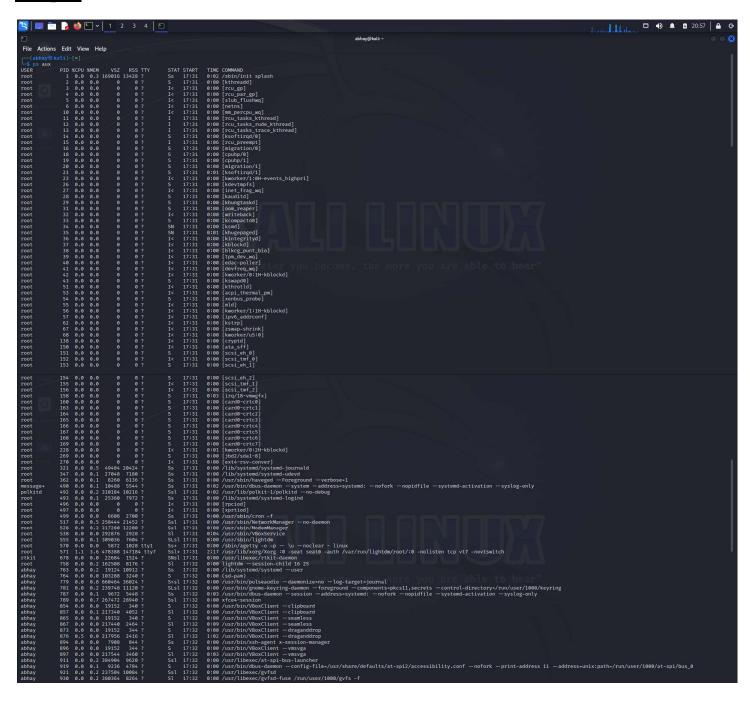


"my_script.sh" file has been successfully executed and the expected output have been obtained.

Task 3: Command Execution and Pipelines

- List all the processes running on your system using the "ps" command.
- Use the "grep" command to filter the processes list and display only the processes with "bash" in their name.
- Use the "wc" command to count the number of lines in the filtered output

Output:



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It can be observed that there is only 1 process with bash in their name.