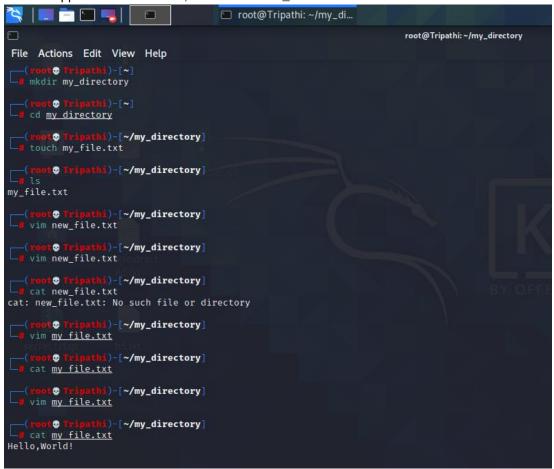
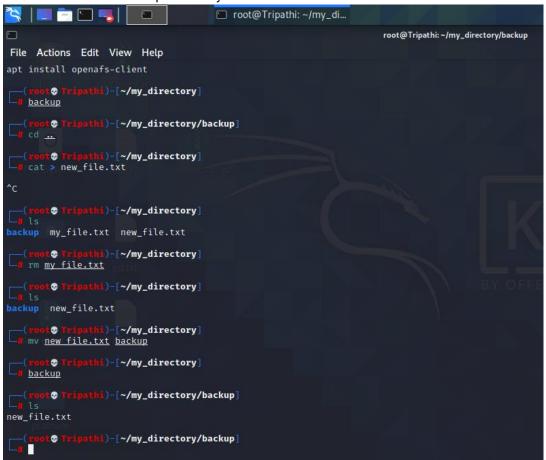
Task 1: File and Directory Manipulation

- 1. Create a directory called "my_directory".
- 2. Navigate into the "my_directory".
- 3. Create an empty file called "my file.txt".
- 4. List all the files and directories in the current directory.
- 5. Rename "my_file.txt" to "new_file.txt".
- 6. Display the content of "new_file.txt" using a pager tool of your choice.
- 7. Append the text "Hello, World!" to "new_file.txt".



- 8. Create a new directory called "backup" within "my_directory".
- 9. Move "new_file.txt" to the "backup" directory.
- 10. Verify that "new_file.txt" is now located in the "backup" directory.
- 11. Delete the "backup" directory and all its contents



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: **bash**

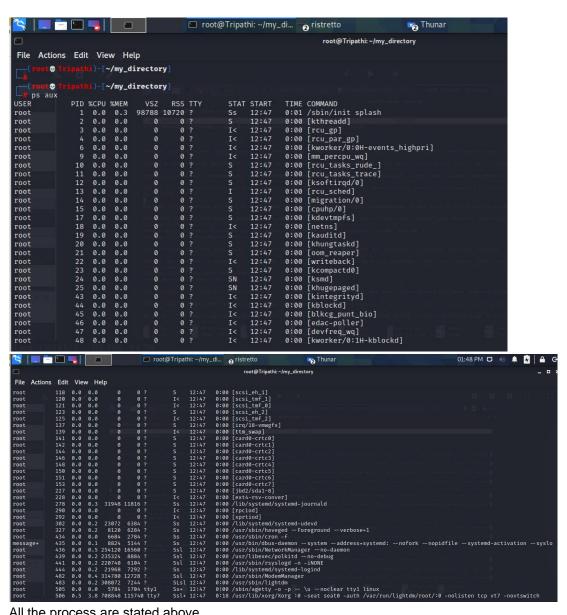
#!/bin/bash echo "Welcome to my script!" echo "Today's date is \$(date)." Save and exit the file.

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



Task 3: Command Execution and Pipelines

List all the processes running on your system using the "ps" command.



All the process are stated above

Use the "grep" command to filter the processes list and display only the processes with "bash" in their name.

Giving us the 4 options in the following ss that are visible

Use the "wc" command to count the number of lines in the filtered output

```
File Actions Edit View Help

root 1055 0.0 0.0 0 0 7 5 12:51 0:00 [scsi_ch_3]

root 1055 0.0 0.0 0 0 7 1 12:51 0:00 [scsi_ch_3]

root 1057 0.0 0.0 0 0 0 7 1 12:51 0:00 [scsi_ch_3]

root 1059 0.0 0.0 0 0 0 7 1 12:51 0:00 [scsi_ch_3]

root 1069 0.0 0.0 0 0 7 1 12:51 0:00 [scsi_ch_3]

root 1070 0.0 0.0 0 0 0 7 1 12:51 0:00 [scsi_ch_3]

root 1080 0.0 0.0 0 0 7 1 12:51 0:00 [scsi_ch_3]

root 1080 0.0 0.0 0 0 7 1 12:51 0:00 [scsi_ch_3]

root 1080 0.0 0.0 0 0 7 1 12:51 0:00 [scsi_ch_3]

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root 1080 0.0 0.0 0 0 0 7 1 12:51 0:00 [scsi_ch_3]

root 1080 0.0 0.0 0 0 0 7 1 12:51 0:00 [scsi_ch_3]

root 1080 0.0 0.0 1 8140 4912 pts/0 5 13:28 0:00 bash my_script.sh

root 1062 0.0 0.1 8140 492 pts/0 5 13:28 0:00 pash my_script.sh

root 1080 0.0 0.0 0 0 7 1 13:39 0:00 [scsi_ch_3]

root 1788 0.0 0.0 0 0 7 1 13:39 0:00 [scsi_ch_3]

root 1789 0.0 0.0 0 0 7 1 13:39 0:00 [scsi_ch_3]

root 1790 0.0 0.0 0 0 7 1 13:39 0:00 [scsi_ch_3]

root 1790 0.0 0.0 0 0 7 1 13:39 0:00 [scsi_ch_3]

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root 1790 0.0 0.0 0 0 7 1 13:39 0:00 [scsi_ch_3]

root 1790 0.0 0.0 0 0 7 1 13:39 0:00 [scsi_ch_3]

root 1790 0.0 0.0 0 0 7 1 13:39 0:00 [scsi_ch_3]

root 1801 0.0 0.0 0 0 7 1 13:39 0:00 [scsi_ch_3]

root 1802 0.0 0.0 0 0 7 1 13:39 0:00 [scsi_ch_3]

root 1603 0.0 0.1 8140 490 [scsi_ch_3]

root 1603 0.0 0.1 8140 490 [scsi_ch_3]

root 1603 0.0 0.1 8140 490 [scsi_ch_3]

root 1603 0.0 0.1 8140 [scsi_ch_3]

root 1603 0
```

4 is the result