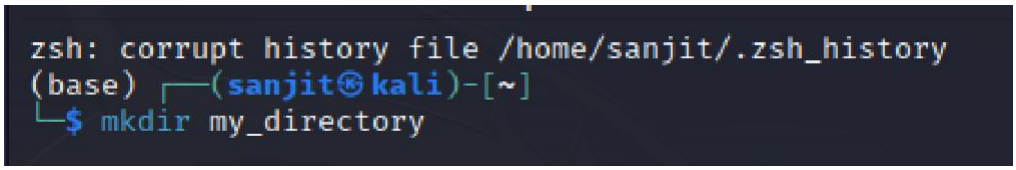
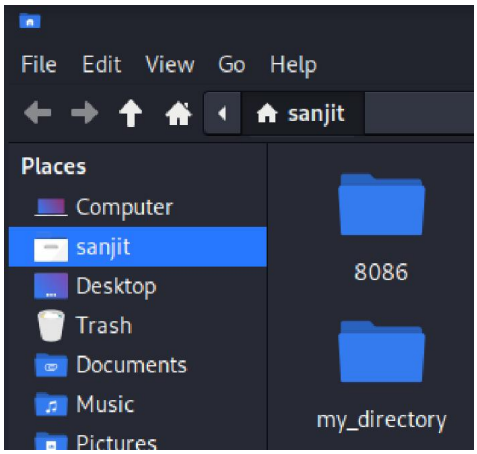
SANJIT NARAYANAN G
20BCE0052
CYBER SECURITY AND ETHICAL HACKING ASSIGNMENT - 2

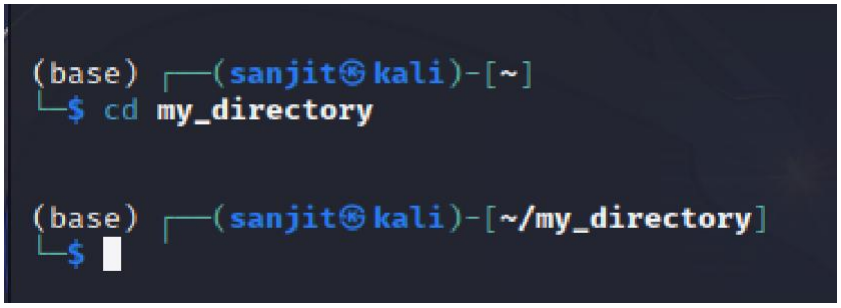
TASK 1: FILE AND DIRECTORY MANIPULATION

1. Create a directory called "my_directory":



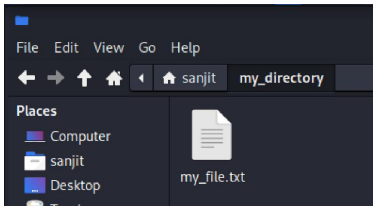


2. Navigate into the "my_directory":



3. Create an empty file called "my_file.txt":

```
(base) ┌──(sanjit㉿kali)-[~/my_directory]
└─$ touch my_file.txt
```

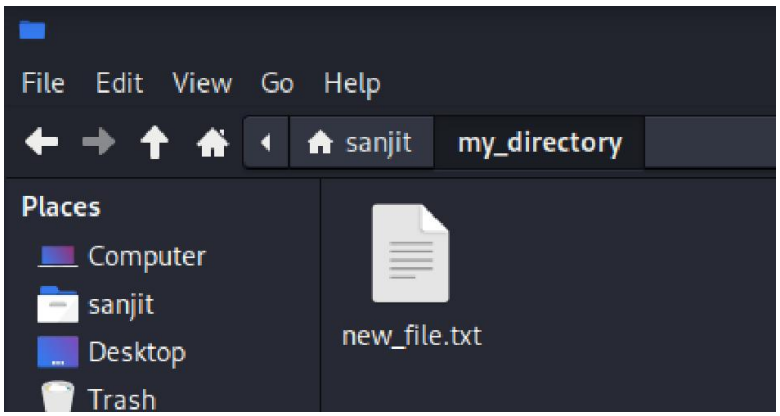


4. List all the files and directories in the current directory:

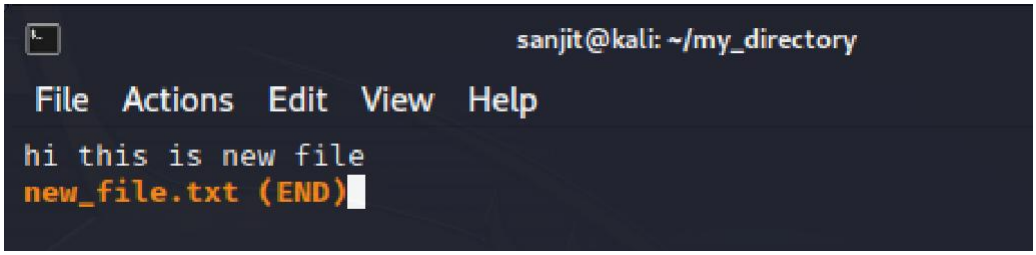
```
(base) ┌──(sanjit㉿kali)-[~/my_directory]
└─$ ls
my_file.txt
```

5. Rename "my_file.txt" to "new_file.txt":

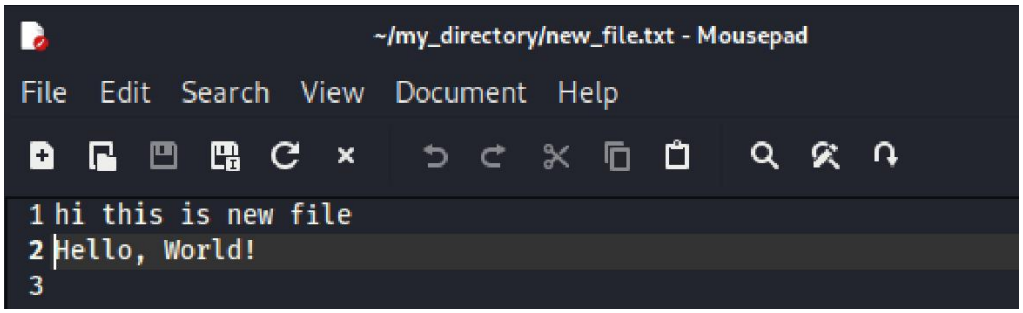
```
(base) ┌──(sanjit㉿kali)-[~/my_directory]
└─$ mv my_file.txt new_file.txt
```



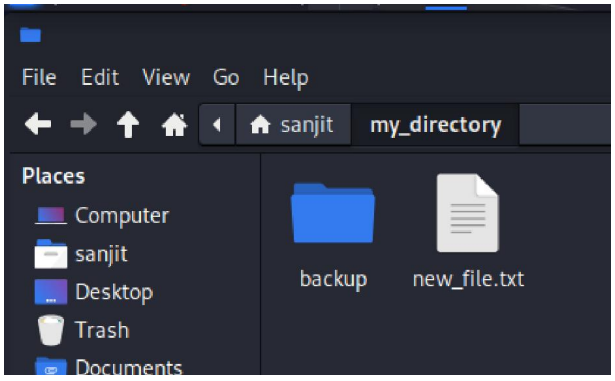
6. Display the content of "new_file.txt" using a pager tool (e.g., less):



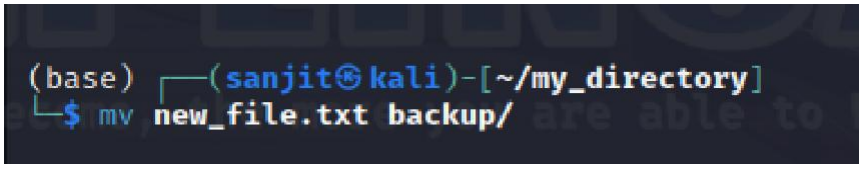
7. Append the text "Hello, World!" to "new_file.txt":

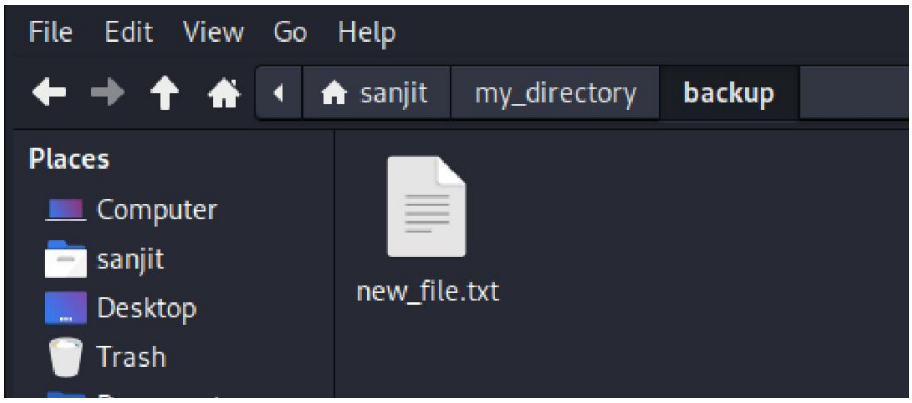


8. Create a new directory called "backup" within "my_directory":

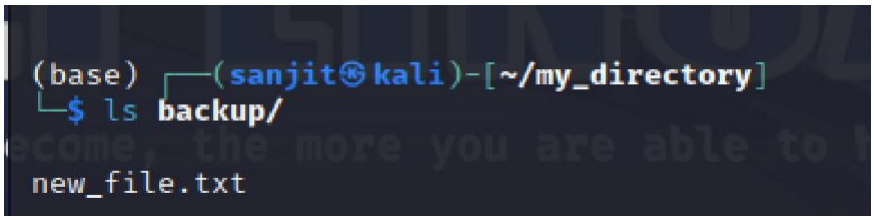


9. Move "new_file.txt" to the "backup" directory:



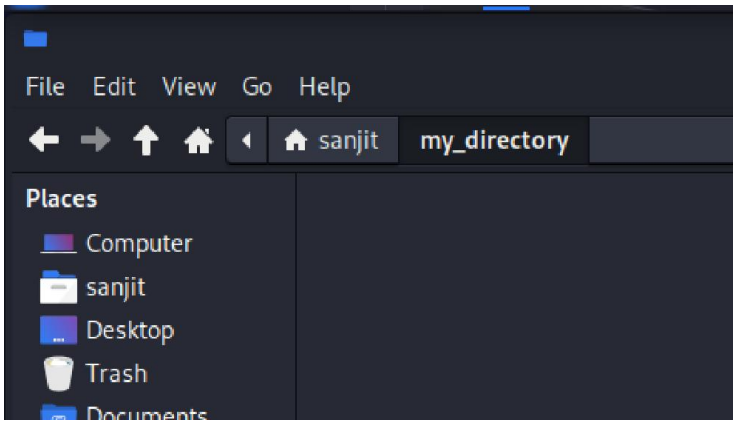


10. Verify that "new_file.txt" is now located in the "backup" directory:



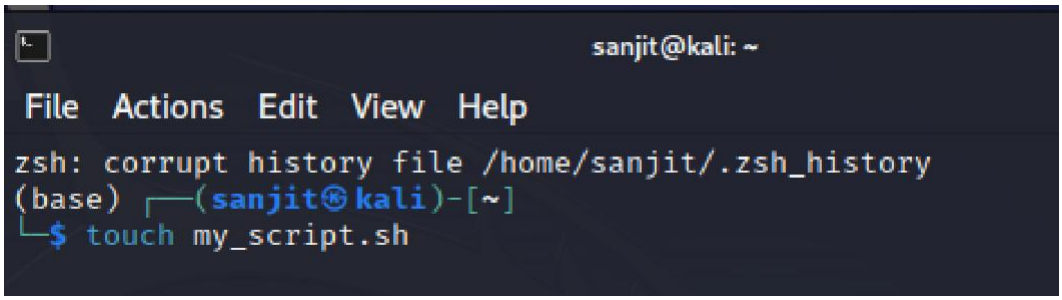
11. Delete the "backup" directory and all its contents:

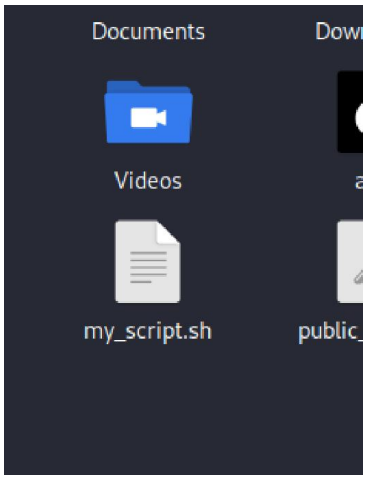
YOU CAN SEE THAT my_directory IS EMPTY.



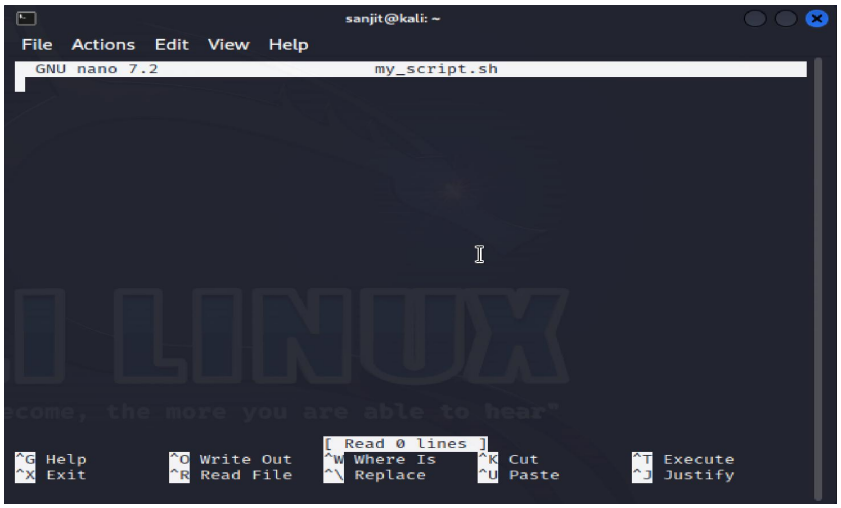
TASK 2: PERMISSIONS AND SCRIPTING

1. Create a new file called "my_script.sh":

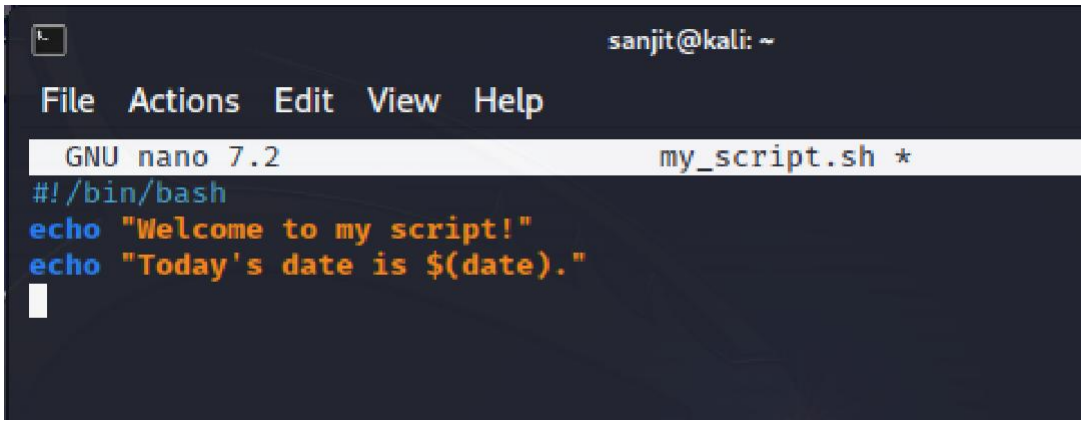




2. Edit "my_script.sh" using a text editor (e.g., nano):



3. In the text editor, add the following lines to "my_script.sh":

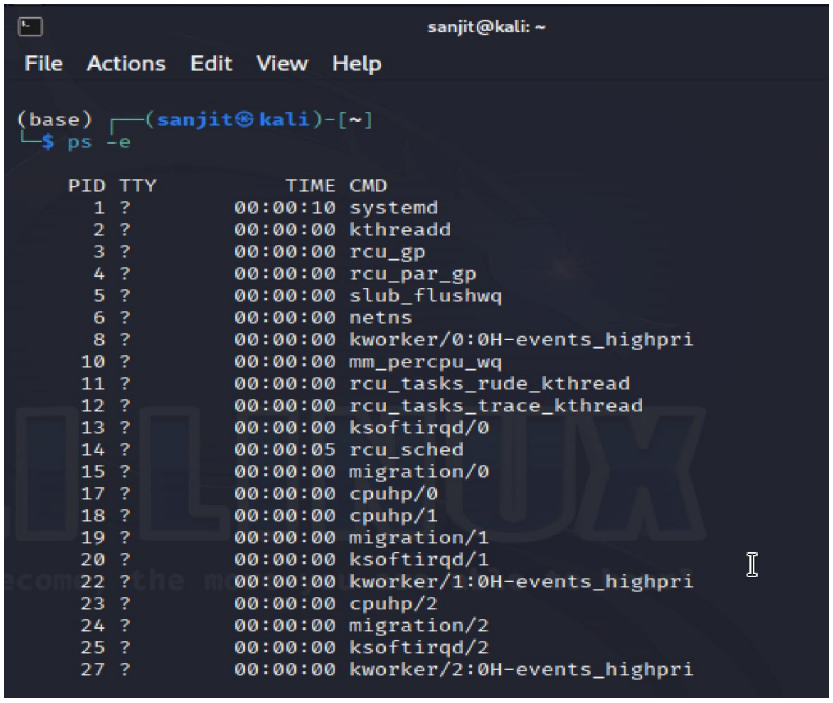


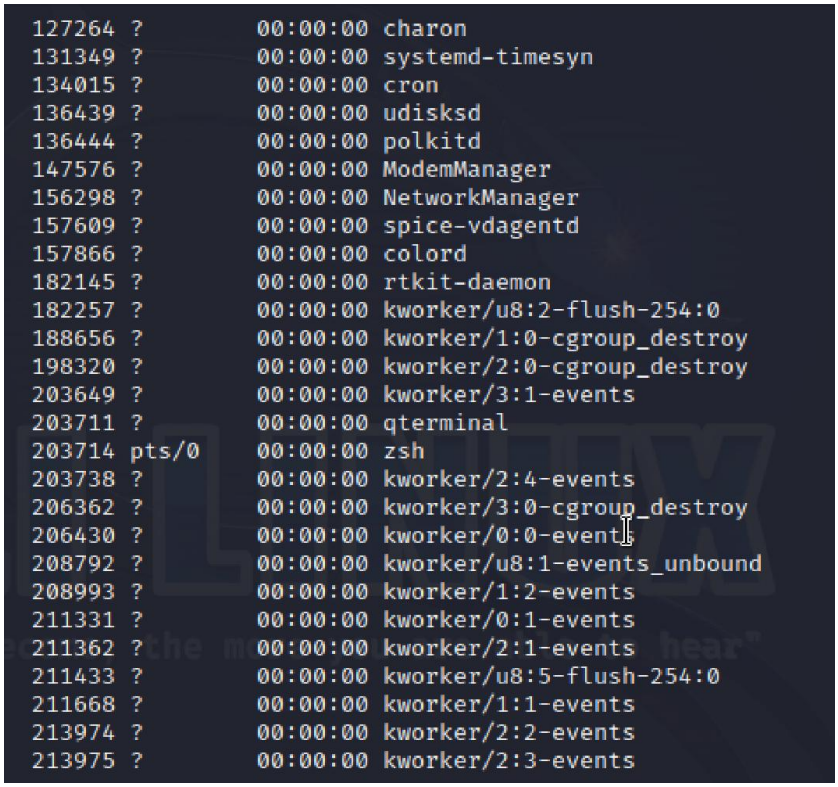
4. Make "my_script.sh" executable:

5. Run "my_script.sh" and verify the output:

TASK 3: COMMAND EXECUTION AND PIPELINES

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





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

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