LINUX MODULE 1 ASSESSMENT SOLUTIONS

-BY SAKTHI KUMAR S

 Overview

This repository contains outputs and logs for Linux training tasks. The tasks involve file manipulation, permissions, symbolic links, process listing, and more.

Task Breakdown

1. Task 1: Created `file1.txt` with executable permissions.

2. Task 2: Created `file2.txt` and modified group permissions.

3. Task 3: Created directories, symbolic links, and logged details.

4. Task 4: Captured active processes in a file.

5. Task 5: Listed and sorted files by modification time.

Outputs

All outputs are stored in `SakthiKumar_Linux_Training_Module1`.

```
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~$ touch file1.txt
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~$ chmod +x file1.txt
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~$ ls -l file1.txt > task1_output.txt
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~$ touch file2.txt
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~$ chmod g-w file2.txt
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~$ ls -l file2.txt > task2_output.txt
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~$ mkdir -p dir1/dir2
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~$ touch dir1/dir2/file3.txt
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~$ ln -s dir1/dir2/file3.txt dir1/file3_softlink
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~$ ls -l dir1 > task3_output.txt
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~$ ps aux > active_processes.txt
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~$ mkdir dir3
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~$ touch dir3/file4.txt dir3/file5.txt dir3/file6.txt
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~$ ls -lt dir3 > sorted_files.txt
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~$ mkdir SakthiKumar_Linux_Training_Module1
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~$ cd SakthiKumar_Linux_Training_Module1
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~/SakthiKumar_Linux_Training_Module1$ cp ../file1.txt SakthiKumar_
Linux_Training_Module1_Task1_file1.txt
cp ../file2.txt SakthiKumar_Linux_Training_Module1_Task2_file2.txt
cp ../active_processes.txt SakthiKumar_Linux_Training_Module1_Task4_processes.txt
cp ../sorted_files.txt SakthiKumar_Linux_Training_Module1_Task5_sorted_files.txt
cp -r ../dir1 .
cp -r ../dir3 .
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~/SakthiKumar_Linux_Training_Module1$ mv ../task1_output.txt SakthiKumar
_Linux_Training_Module1_Task1_log.txt
mv ../task2_output.txt SakthiKumar_Linux_Training_Module1_Task2_log.txt
mv ../task3_output.txt SakthiKumar_Linux_Training_Module1_Task3_log.txt
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~/SakthiKumar_Linux_Training_Module1$ cd
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~$ cat SakthiKumar_Linux_Training_Module1/SakthiKumar_Linux_Training_Mod
ule1_Task1_log.txt
-rwxrwxr-x 1 sakthi-kumar-s sakthi-kumar-s 0 Jan 22 21:16 file1.txt
```