Task 1: **Linux History and Philosophy**
Objective: **Write a brief explanation of the history of Linux and its philosophy.**

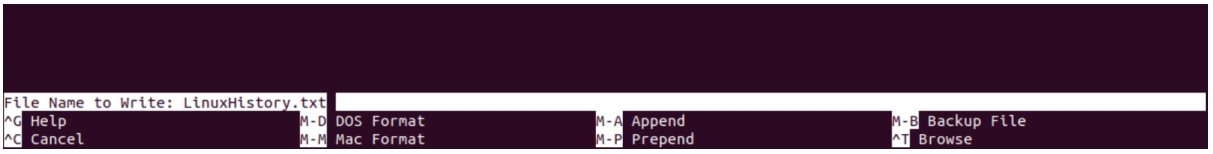
Action Items:
Open a terminal.
1. Use nano to create a .txt file named LinuxHistory.txt.
2. Within the file, summarize the origins of Linux and the principles of the GNU/Linux system.
3. Save and close the file.

1.

```
student@student-virtual-machine:~/25SUB4508_56133$ ll
total 24
drwxrwxr-x  3 student student 4096 Dec 17 14:38 ./
drwxr-x--- 23 student student 4096 Dec 17 14:45 ../
dr-xr-xr-x  2 student student 4096 Dec 16 12:53 day_09/
-rw-rw-r--  1 student student  309 Dec 17 12:47 first_nano.cpp
-rw-rw-r--  1 student student    0 Dec 16 15:47 hello.cpp
-rw-rw-r--  1 student student 1148 Dec 17 14:38 LinuxHistory.txt
-rwxr-xr-x  1 student student    0 Dec 16 15:32 test_1.txt*
-rw-rw-r--  1 student student  147 Dec 17 12:50 test_2.txt
student@student-virtual-machine:~/25SUB4508_56133$ nano LinuxHistory.txt
```

2.

3.



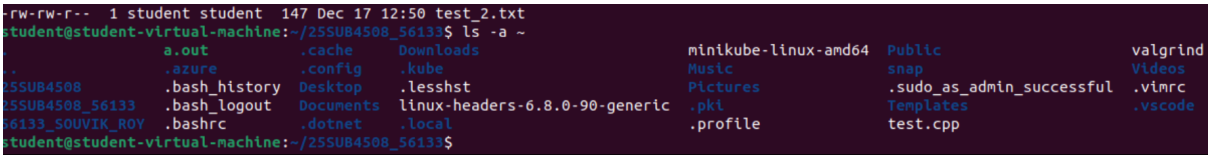
Task 2: **File Navigation and Directory Structure**
Objective: **Demonstrate basic file navigation and directory structure understanding.**

Action Items:
1. List all files in the home directory using a single command.

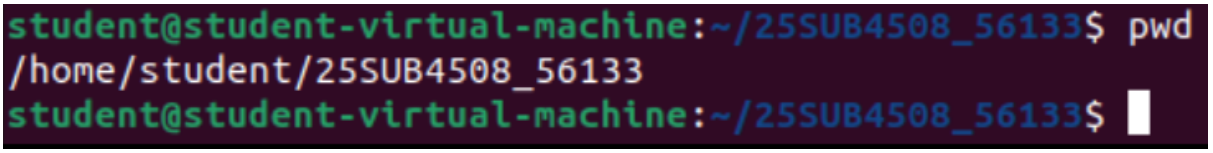
2. Display the absolute path of the current working directory.

3. Create a new directory called Practice in the home directory and navigate into it.

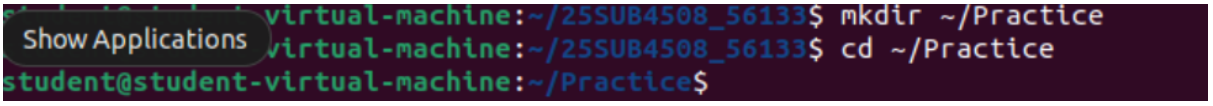
1.



2.



3.



Task 3: **File Management Commands**
Objective: **Use file management commands to organize files and directories.**

Action Items:
1. In the Practice directory, create a new file called sample.txt.Copy sample.txt to a new file called duplicate.txt.
2. Delete duplicate.txt using a command-line command.

1.

```
student@student-virtual-machine:~/25SUB4508_56133$ cd ~/Practice
student@student-virtual-machine:~/Practice$ touch sample.txt
student@student-virtual-machine:~/Practice$ nano sample.txt
student@student-virtual-machine:~/Practice$ cp sample.txt duplicateSample.txt
student@student-virtual-machine:~/Practice$ ll
total 16
drwxrwxr-x  2 student student 4096 Dec 17 14:51 ./
drwxr-x--- 23 student student 4096 Dec 17 14:45 ../
-rw-rw-r--  1 student student   23 Dec 17 14:51 duplicateSample.txt
-rw-rw-r--  1 student student   23 Dec 17 14:51 sample.txt
```

2.

```
student@student-virtual-machine:~/Practice$ rm duplicateSample.txt
```

References

Torvalds, L. (1991). Linux: A Portable Operating System Kernel. University of Helsinki.
Stallman, R. M. (2002). Free Software, Free Society: Selected Essays of Richard M. Stallman. GNU Press.
Love, R. (2010). Linux Kernel Development (3rd ed.). Addison-Wesley Professional.
Silberschatz, A., Galvin, P. B., & Gagne, G. (2018). Operating System Concepts (10th ed.). Wiley.
Shotts, W. E. (2019). The Linux Command Line (2nd ed.). No Starch Press.