NOTRE DAME UNIVERSITY BANGLADESH

CSE-3206 Lab Report-01

Course Title: Operating System Lab

Course Code: CSE-3206

Submitted by:

Name: Istiak Alam

ID: 0692230005101005

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Lab Task Topic : Familiarization of Linux Commands

Submitted to:

Khorshed Alam
Lecturer, NDUB

❑ Commands :

1.1 Creating Files using terminal

Syntex : touch file_name

Command : $ **touch** Text.txt

Sample Input & Output :

Fig : 1 creating File

1.2 Creating Folder using terminal

Syntex : mkdir directory_name

Command : $ **mkdir** Lab1

Sample Input & Output :

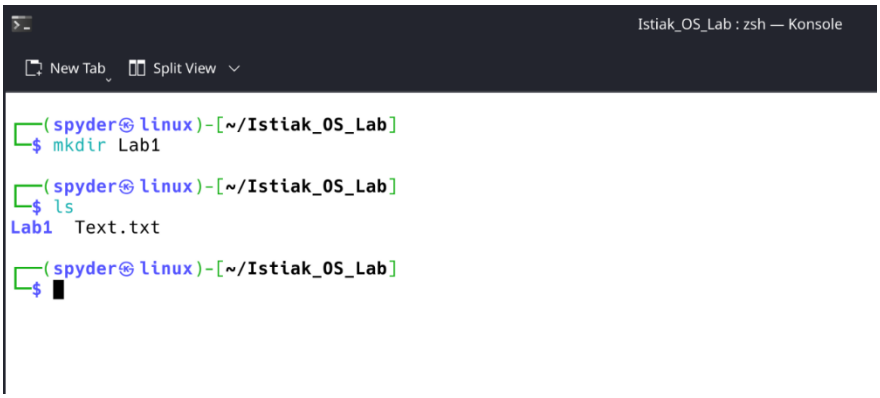

Fig : 2 creating directory

1.3 Print Current Directory using terminal

Syntex : pwd

Command : $ **pwd**

Sample Input & Output :

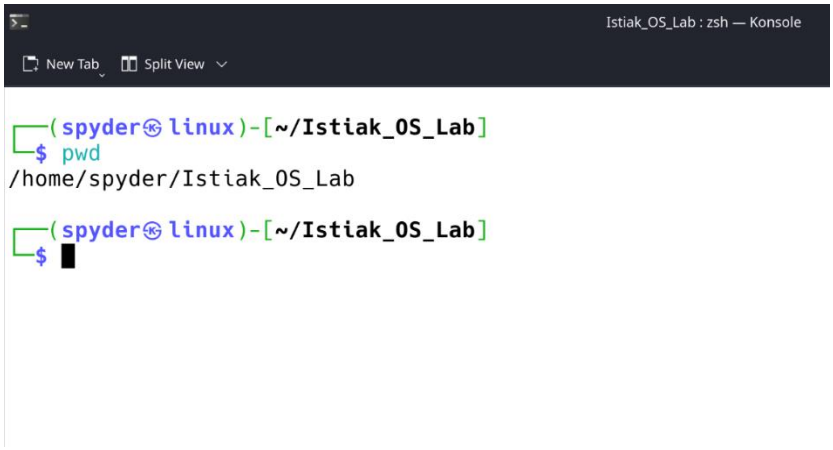

Fig : 3 Current Directory

1.4 Change Directory using terminal

Syntex : cd directory_name

Command : $ **cd Lab1**

Sample Input & Output :

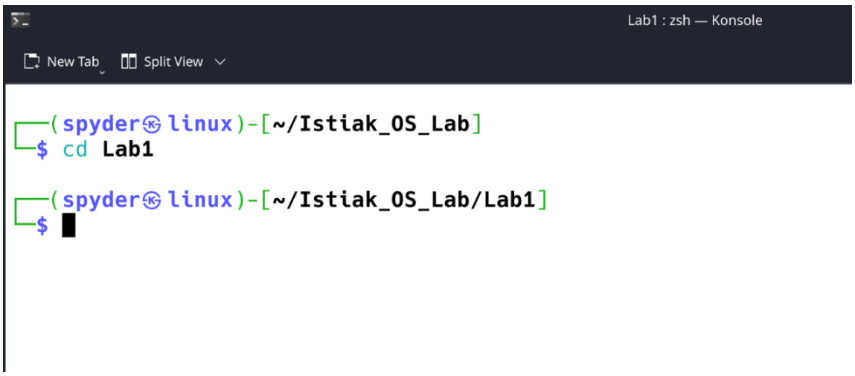

Fig : 4.1 Change Directory

Fig : 4.2 Change Directory

1.5 Print Content using terminal

Syntex : cat file_name

Command : $ **cat Text.txt**

Sample Input & Output :

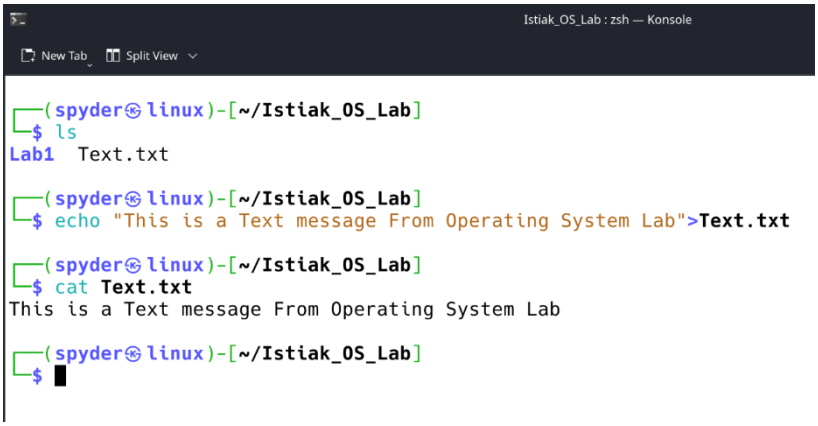

Fig 5 : cat

1.6 Print Content using terminal

Syntex : more file_name

Command : $ **more Text.txt**

Sample Input & Output :

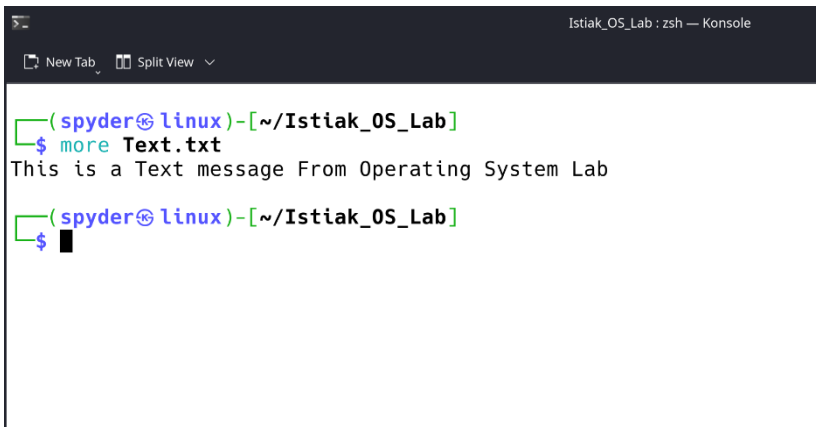

Fig 6 : using more

1.7 Print List of all special dot files in a directory.

Syntex : ls -a

Command : $ **ls -a**

Sample Input & Output :

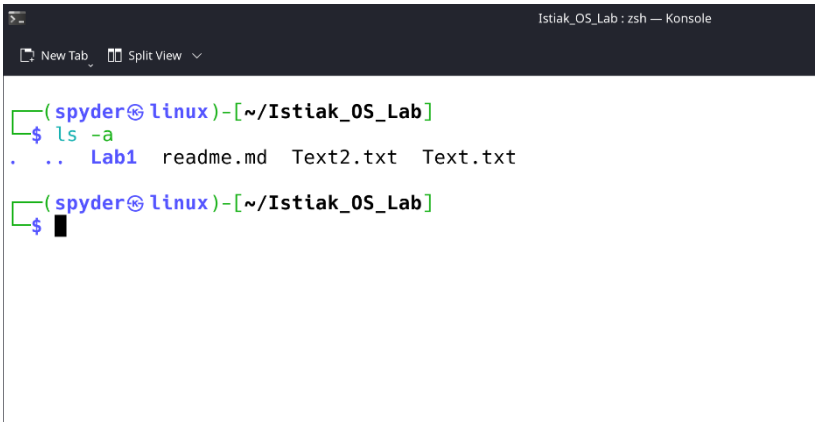

Fig 7 : list

1.8 Print Long List of files in a directory.

Syntex : ls -l

Command : $ **ls -l**

Sample Input & Output :

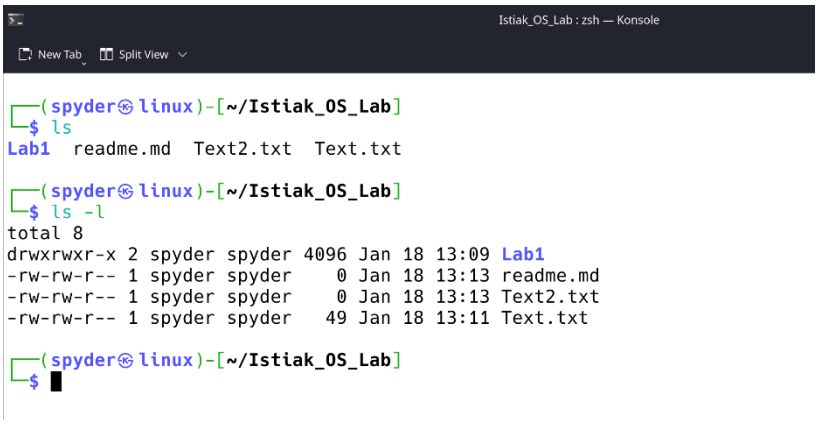

Fig 8 : list with permission

1.9 Print size of files in human readable form of a directory.

Syntex : ls -l -h

Command : $ **ls -l -h**

Sample Input & Output :

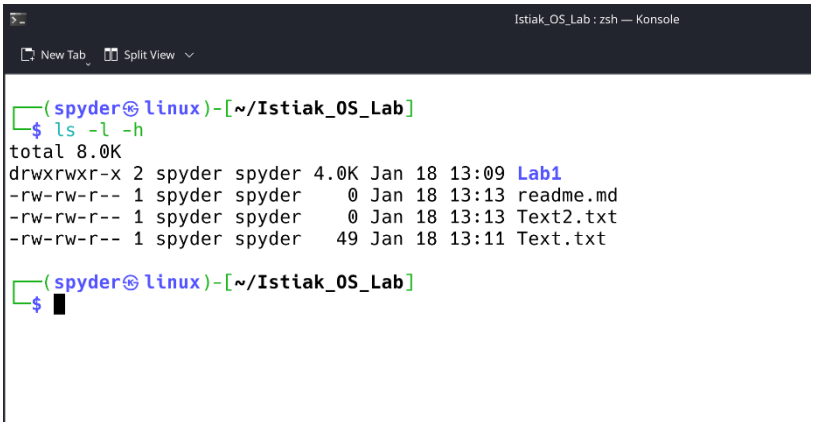

Fig 9 : list with size

1.10 Mark all the Executable files & Folder form of a directory.

Syntex : ls -F

Command : $ **ls -F**

Sample Input & Output :

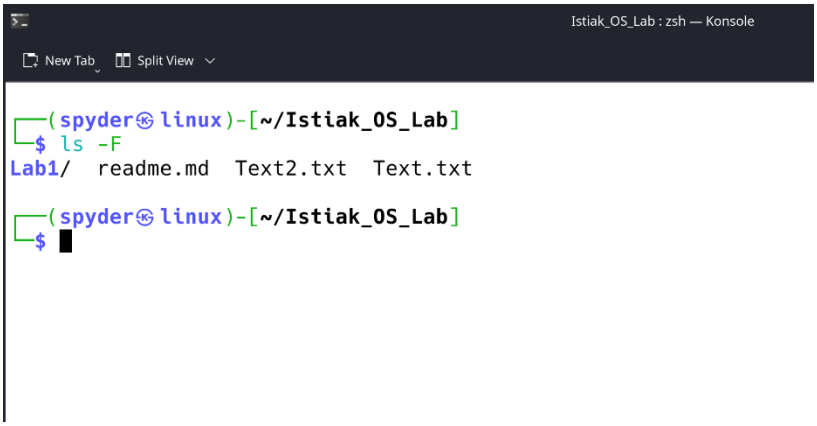

Fig 10 : list all files

1.11 Copy files & Directory using terminal.

Syntex : cp [option] file1 file2

Command : $ **cp Text.txt Copied.txt**

Sample Input & Output :

Fig 11.1 : Copy file

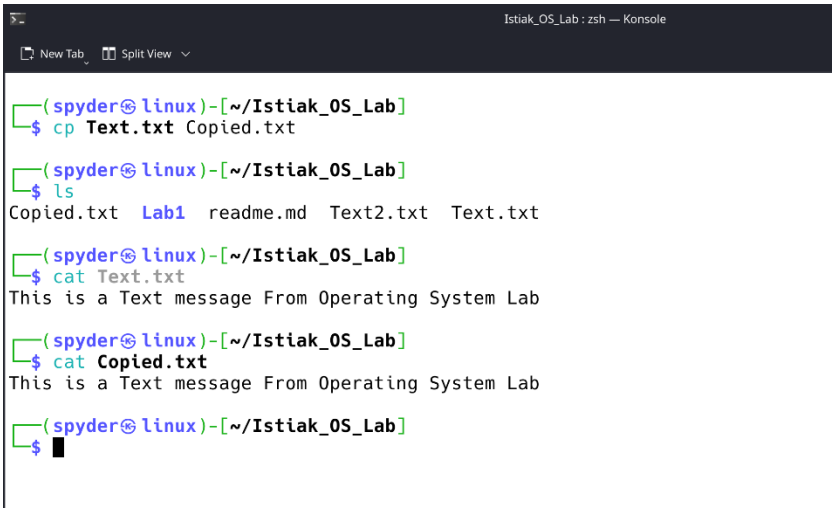

Figure 11.2 : Copy folder

1.12 Remove or Delete files & Folder Using terminal.

Syntex : rm file_name //removing a file

Syntex : rmdir directory_name //removing a folder

Command : $ **rm Text2.txt**

Command : $ **rmdir Text2.txt**

Sample Input & Output :

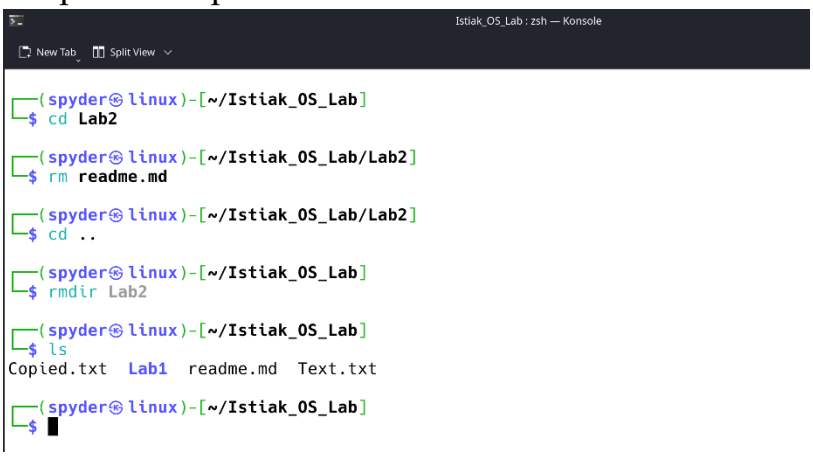

Fig 12 : remove files & folder

1.13 Clear the contents of the terminal.

Syntex : clear

Command : $ **clear**

Sample Input & Output :

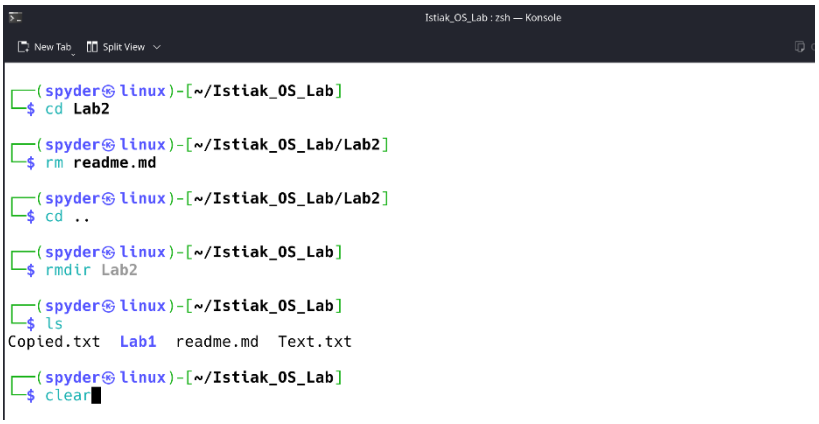

Fig 13.1 : clear terminal

Fig 13.2 : cleared terminal

1.14 View manual & help of specific command.

Syntex : man Command_name

Command : $ **man touch**

Sample Input & Output :

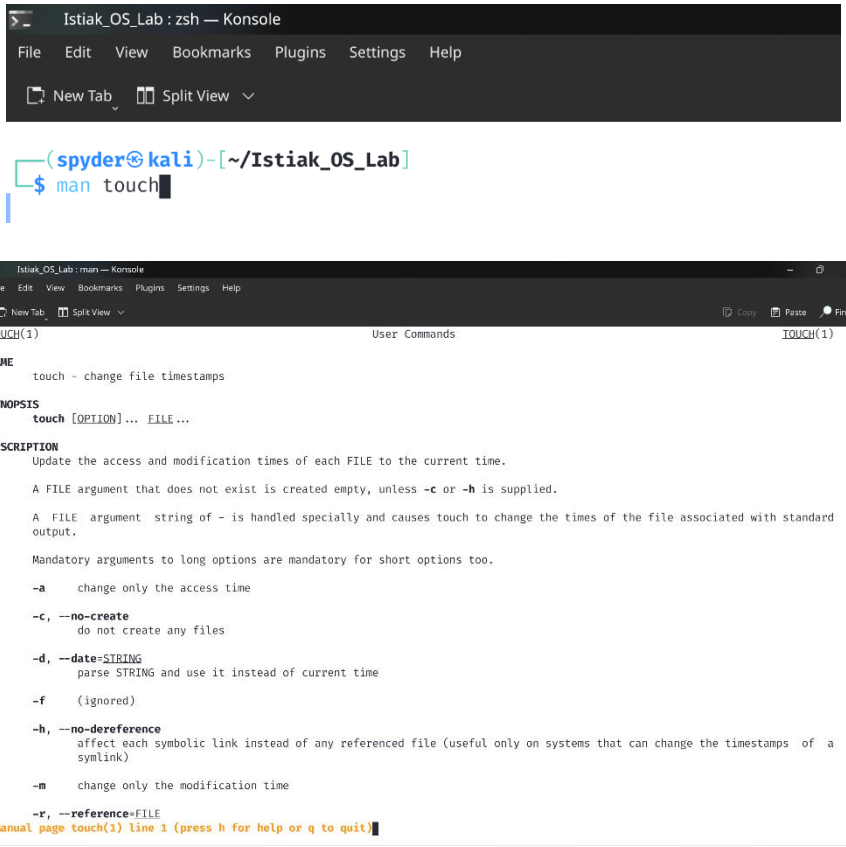

Fig 14 : manual

1.15 Print list or display the contents of a directory in a tree like format.

Syntex : tree directory_name

Command : $ **tree Arduino**

Sample Input & Output :

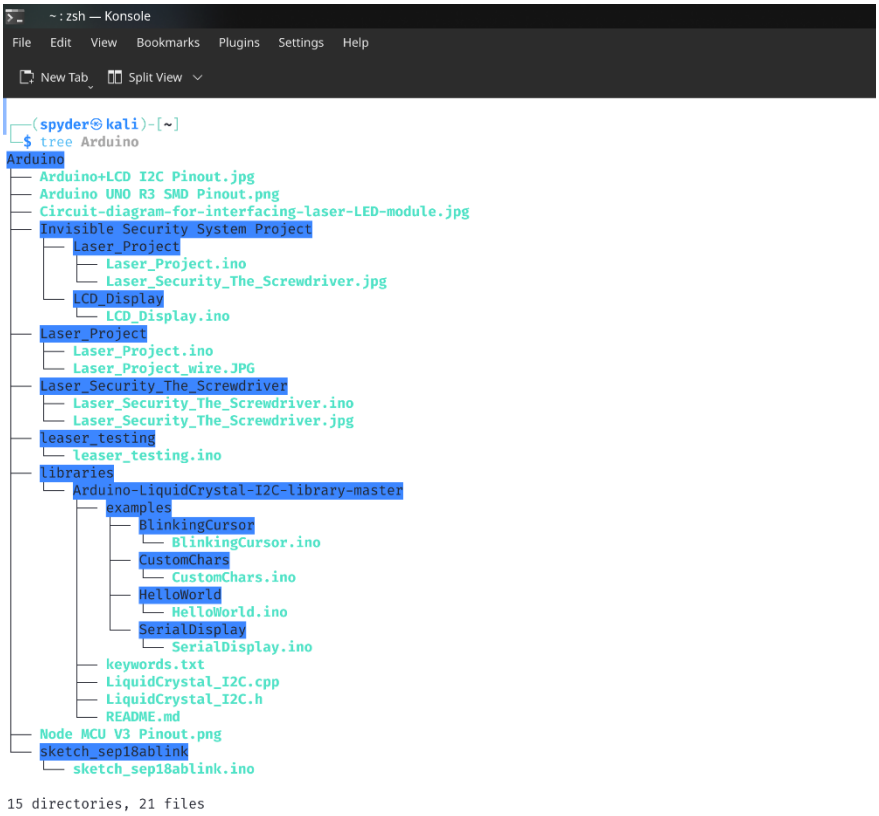

Fig 15 : tree

1.16 Find files using terminal.

Syntex : locate [options] file_name

Command : $ **locate -b art.jpg**

Sample Input & Output :

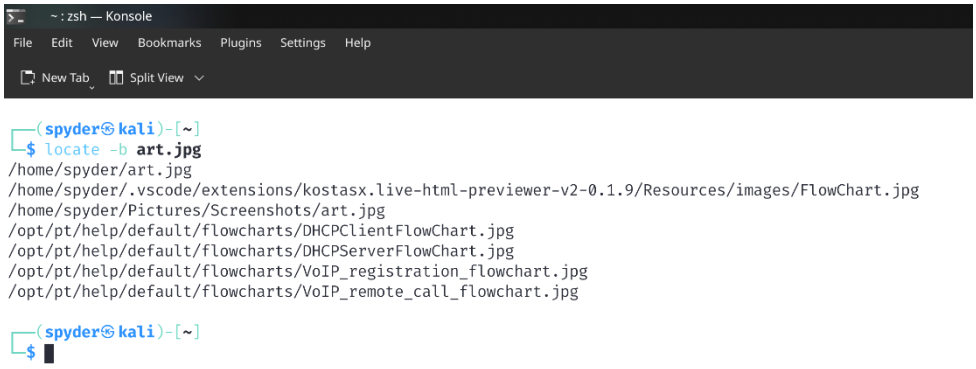

Fig 16 : locate

1.17 Terminate a Process manually using terminal.

Syntex : kill [option] pid

Command : $ **kill 2879**

Sample Input & Output :

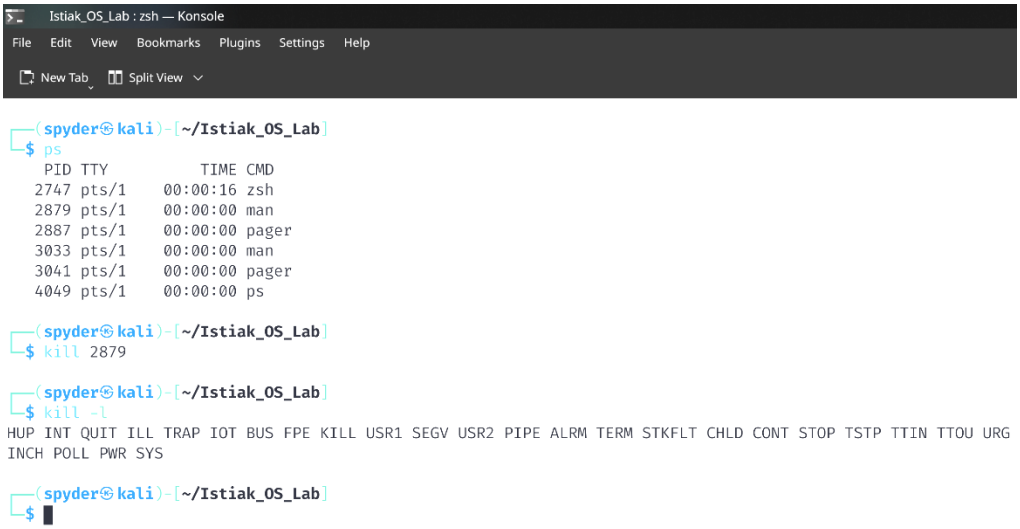

Fig 17 : killing process

1.18 Print Content of a file one scornful at a time using terminal

Syntex : less file_name

Command : $ **less Text.txt**

Sample Input & Output :

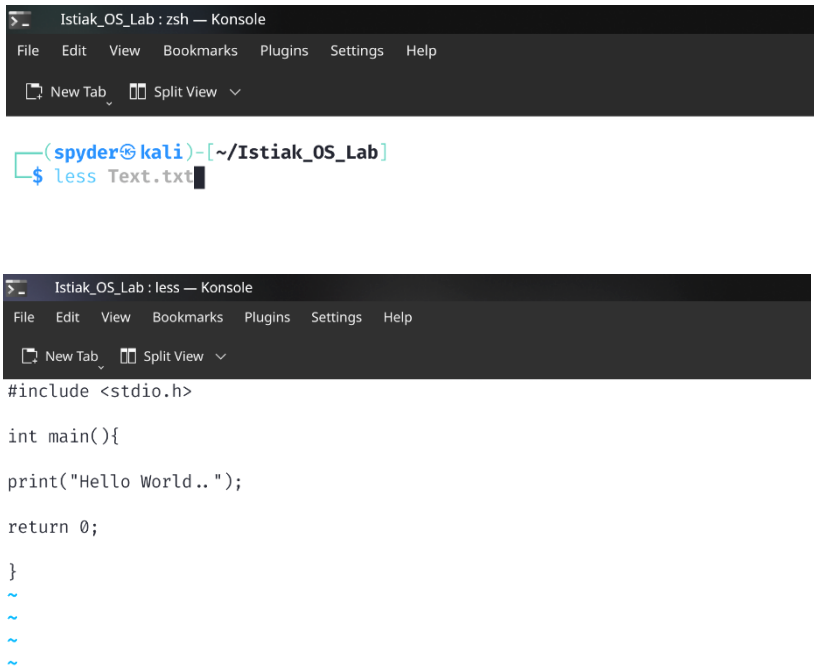

Fig 18 : less view

1.19 Display username or who logged in.

Syntex : who

Syntex : whoami

Sample Input & Output :

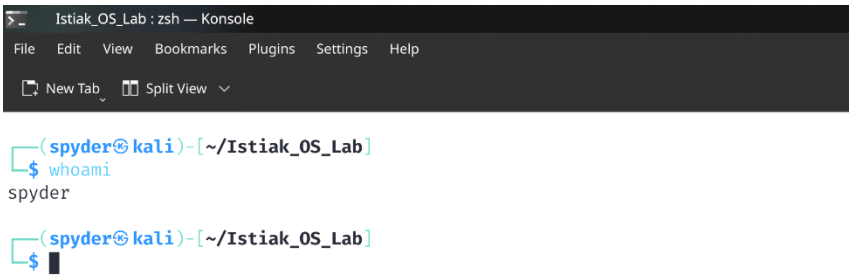

Fig 19 : username

1.20 Print the recourse being used in system using terminal

Syntex : top

Command : $ **top**

Sample Input & Output :

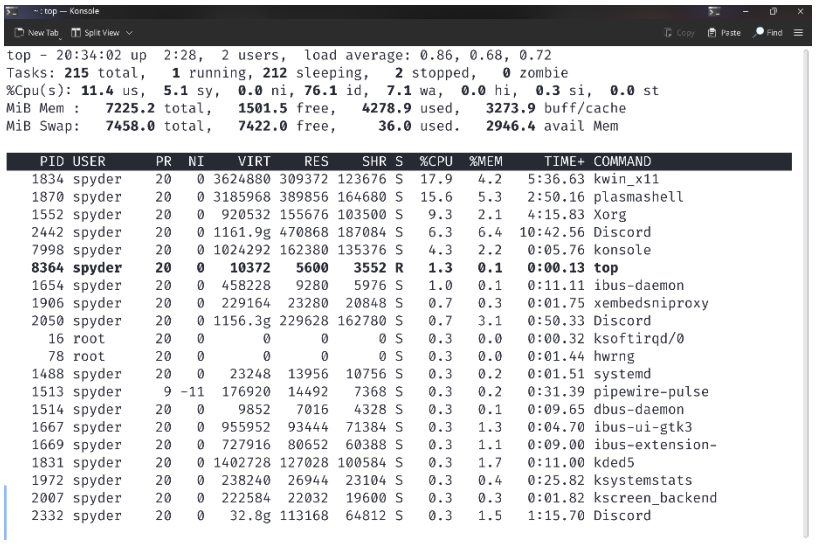

Fig 20 : top

1.21 Modify file access permissions using terminal.

Syntex : chmod [options] permission_filename

Command : $ **chmod 111 Text.txt**

Sample Input & Output :

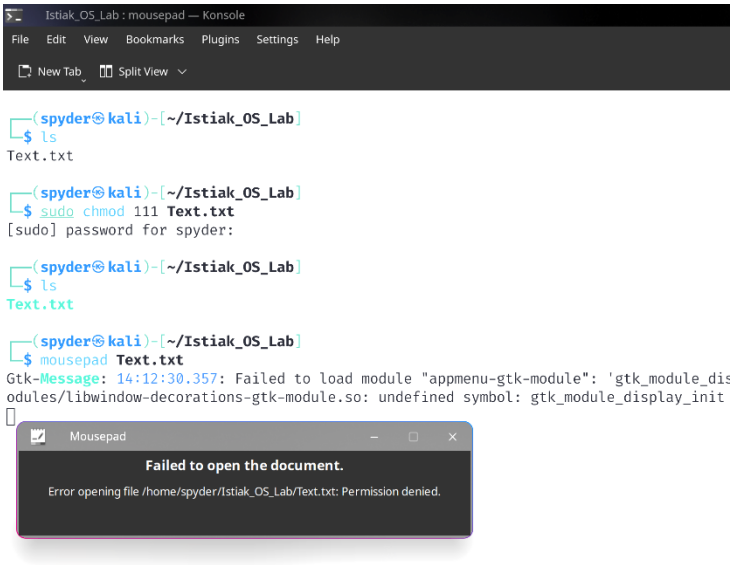

Fig 21 : change permission

1.22 Change the user and / or group ownership of a given file, directory or symbolic link using terminal.

Syntex : chown [options] user [group] file_name

Command : $ **chown kali Text.txt**

Sample Input & Output :

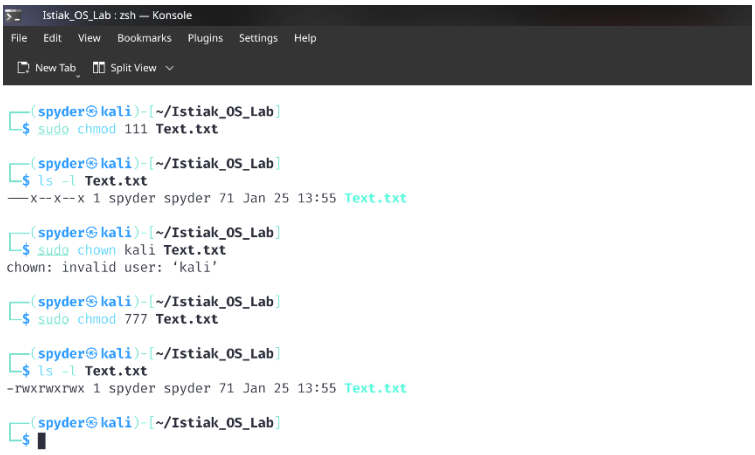

Fig 22 : change owner

1.23 Shows the size used and available space on the mounted file system.

Syntex : df [option] file

Command : $ **df -h file2**

Sample Input & Output :

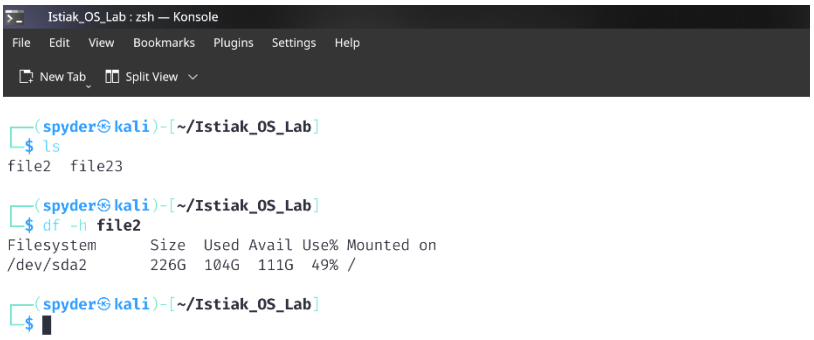

Fig 23 : filesystem details