

ASSIGNMENT

ON

Advanced Computer Network Lab

Submitted to

Rini Kurian

MCA Department

Amal Jyothi College of Engineering

Submitted by

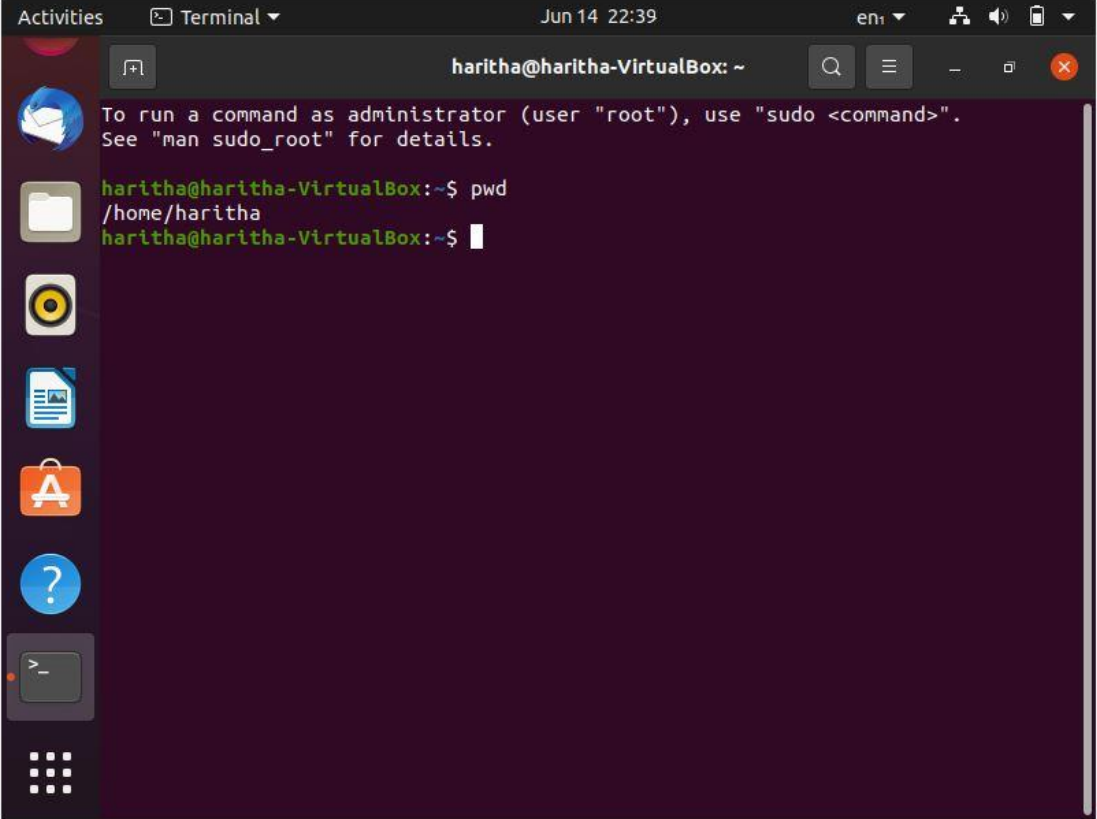
Harithakrishnan

MCA S2 A

Rollno: 40

1.PWD (Print Working Word)

- ❖ Used to find the path of the current working directory
- ❖ Absolute path Which is basically a path of all the directories that start with a forward slash(/)
- ❖ Relative path defined as the path related to the present working directory From root directory

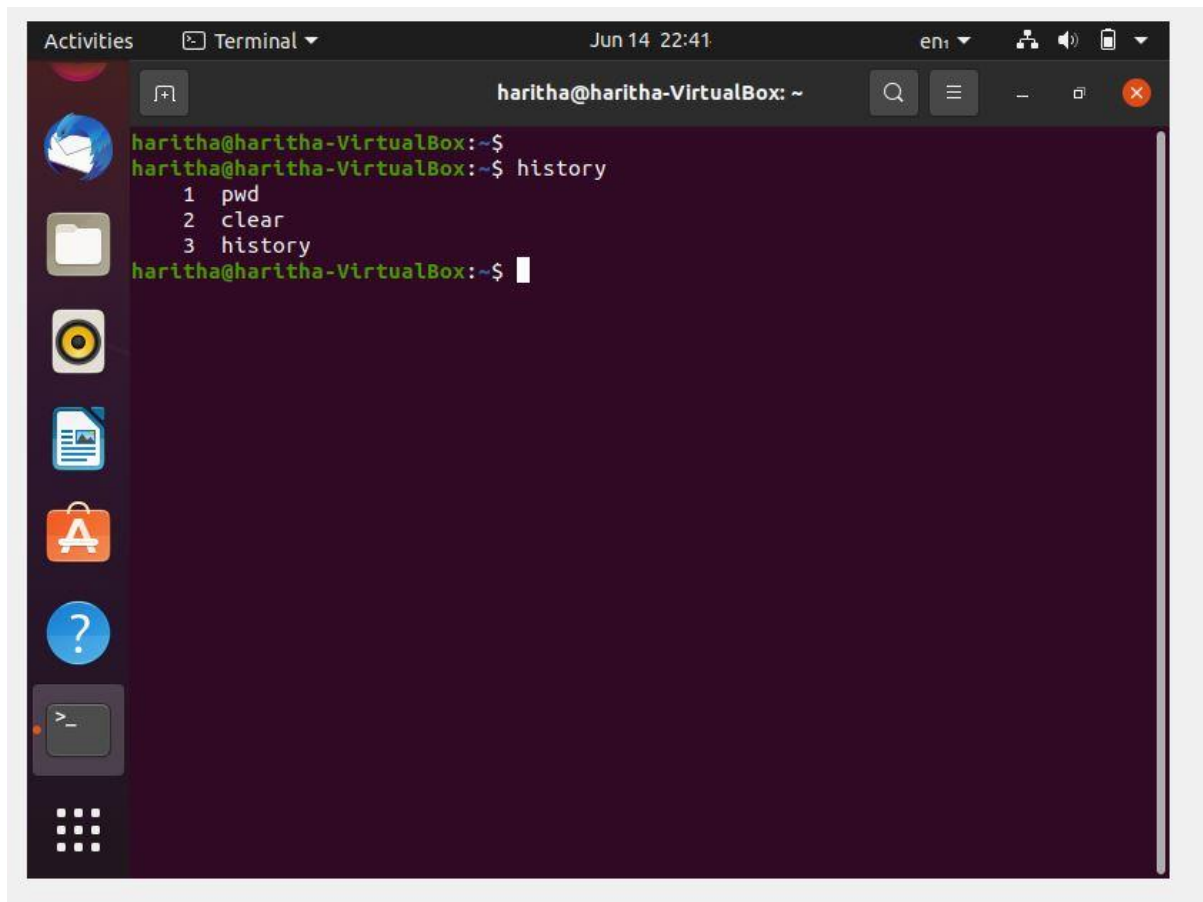


The screenshot shows a terminal window titled "haritha@haritha-VirtualBox: ~". The window has a dark purple background. At the top, there is a status bar with "Jun 14 22:39" and "en1". Below the title bar, there is a message: "To run a command as administrator (user \"root\"), use \"sudo <command>\". See \"man sudo_root\" for details." The terminal shows the command `pwd` being entered and the output `/home/haritha`. The prompt `haritha@haritha-VirtualBox:~$` is visible before and after the command. On the left side of the terminal, there is a vertical dock with several application icons: a blue circle with a white 'e', a folder icon, a yellow circle with a black 'e', a blue document icon, an orange shopping bag icon, a blue circle with a white question mark, and a terminal icon. At the bottom of the dock is a 3x3 grid of dots.

```
haritha@haritha-VirtualBox:~$ pwd
/home/haritha
haritha@haritha-VirtualBox:~$
```

2. History

- ❖ To review the commands, you have entered before



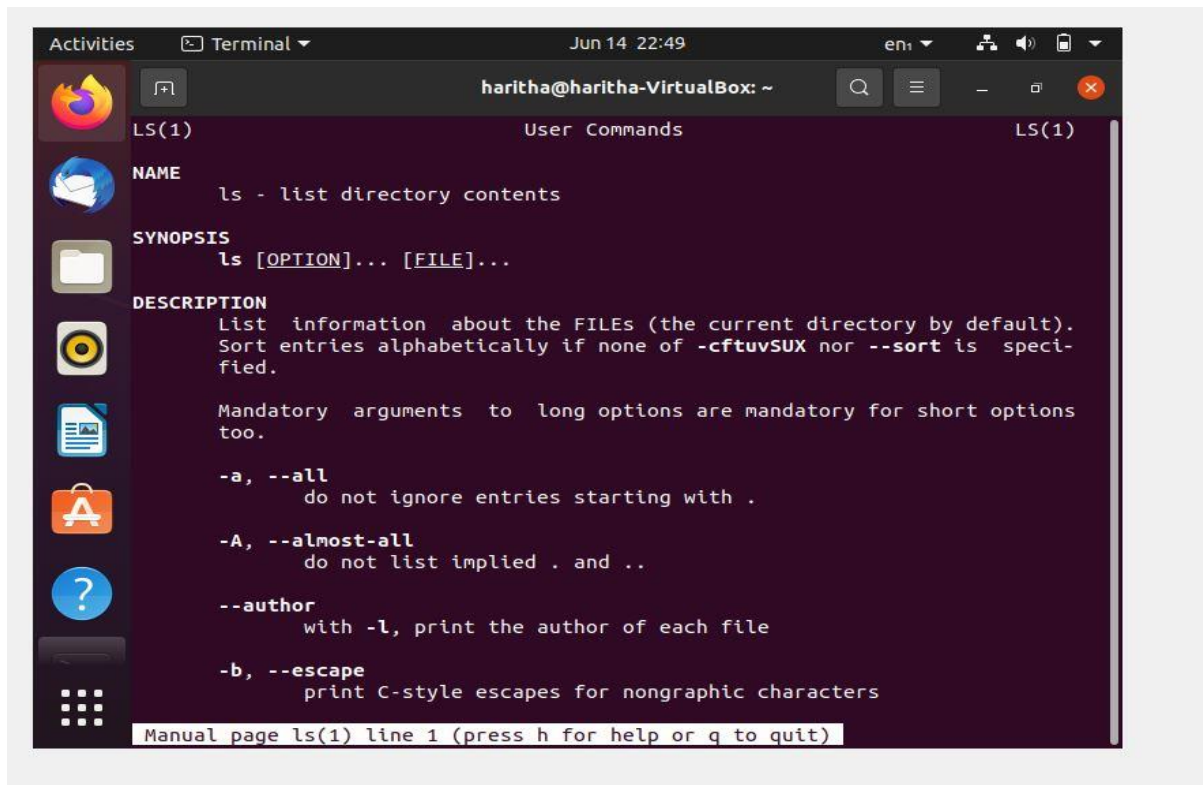
The image shows a terminal window titled "haritha@haritha-VirtualBox: ~". The window displays the output of the 'history' command, which lists the following commands in order:

```
1 pwd
2 clear
3 history
```

The prompt is `haritha@haritha-VirtualBox:~$`. The terminal window is part of a desktop environment with a sidebar on the left containing icons for various applications like a file manager, a media player, and a web browser. The top of the window shows system information like the date and time (Jun 14 22:41) and the language (en).

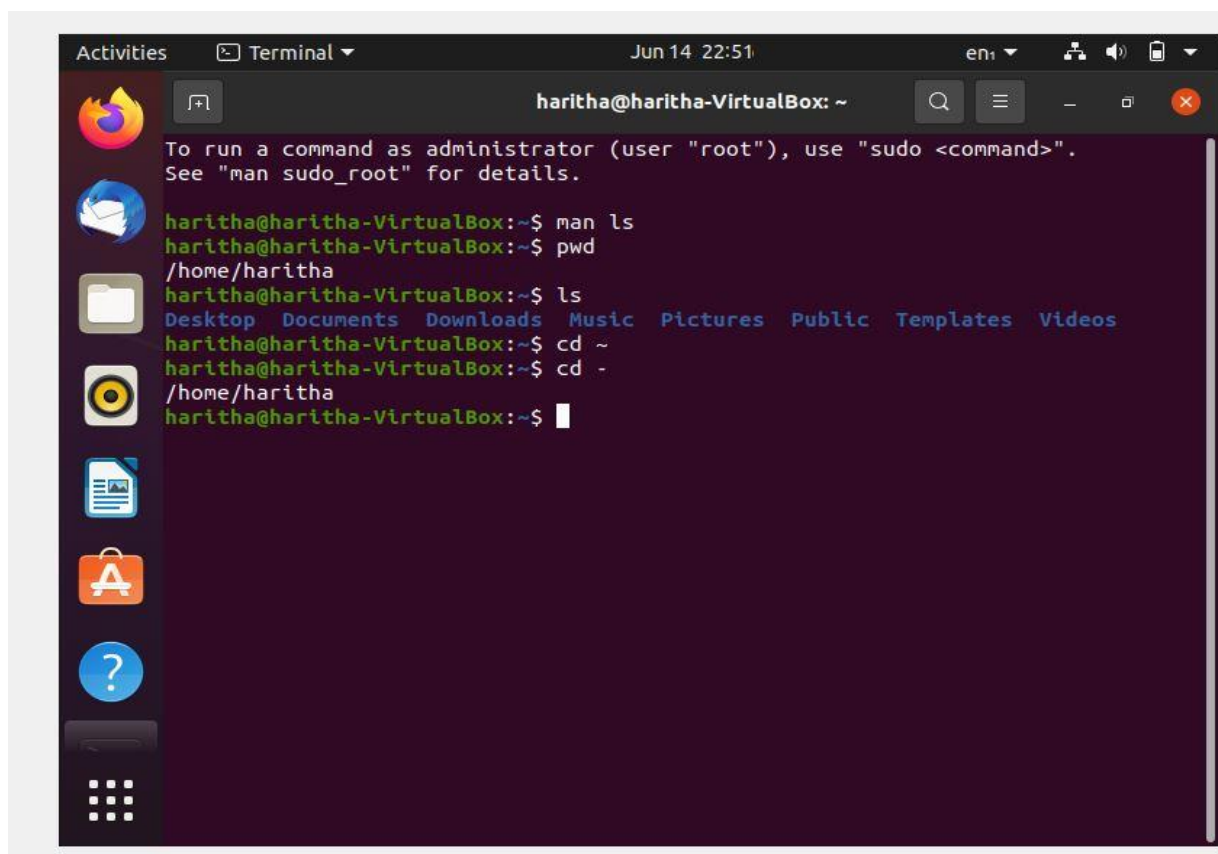
3. Man

- ❖ Shows the manual instruction of the tail command
- ❖ Man, man to start learning about man utility



4. cd

- ❖ To navigate through the Linux files and directories
- ❖ Cd ...(to move one directory up)
- ❖ Cd ~ (to go straight to the home folder)
- ❖ Cd - (to move to a previous directory)



The screenshot shows a terminal window titled "haritha@haritha-VirtualBox: ~". The window has a dark theme with a purple background. The terminal output is as follows:

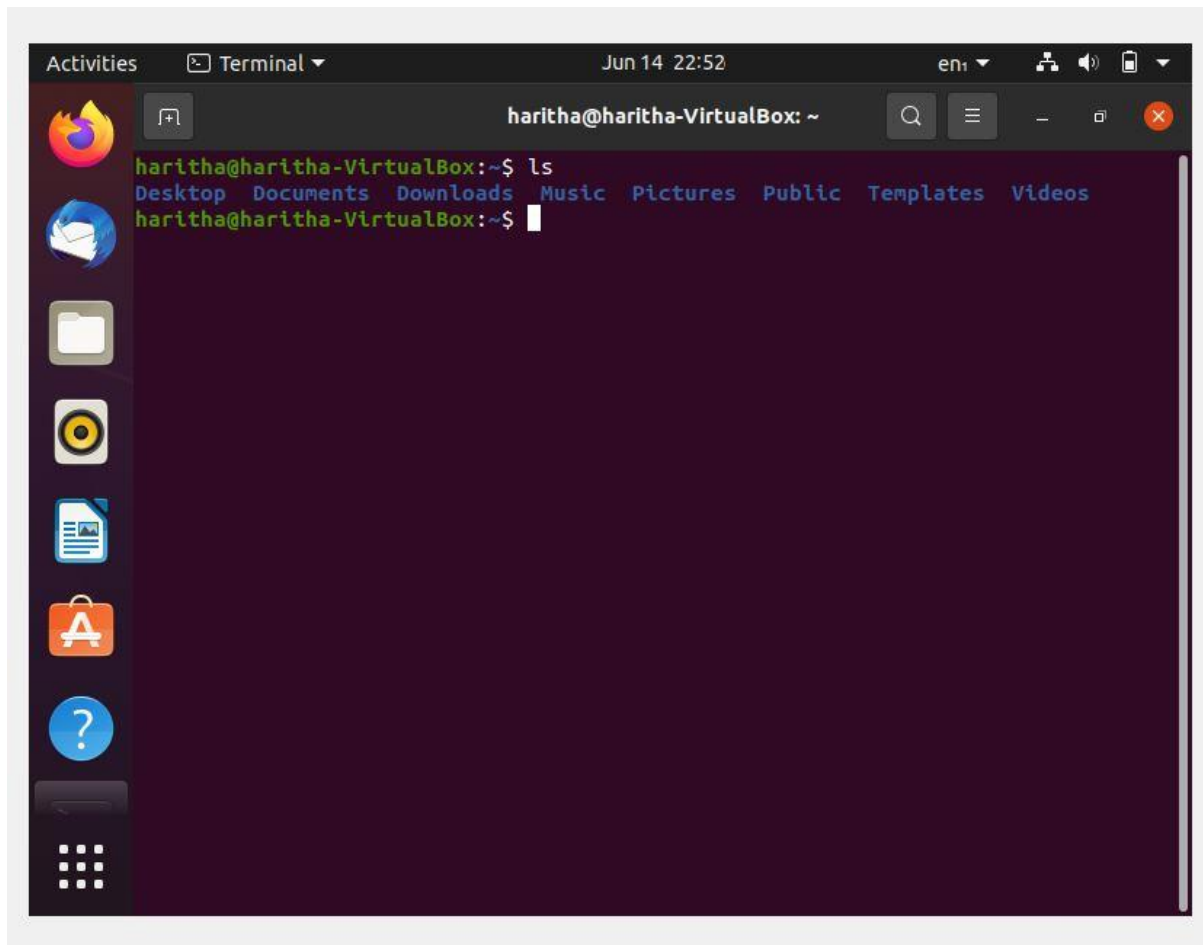
```
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

haritha@haritha-VirtualBox:~$ man ls
haritha@haritha-VirtualBox:~$ pwd
/home/haritha
haritha@haritha-VirtualBox:~$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
haritha@haritha-VirtualBox:~$ cd ~
haritha@haritha-VirtualBox:~$ cd -
/home/haritha
haritha@haritha-VirtualBox:~$
```

The terminal window includes a top bar with "Activities", "Terminal", and the date "Jun 14 22:51". On the left side, there is a vertical dock with icons for Firefox, a file manager, a terminal, a music player, a shopping bag, a question mark, and a grid of application icons.

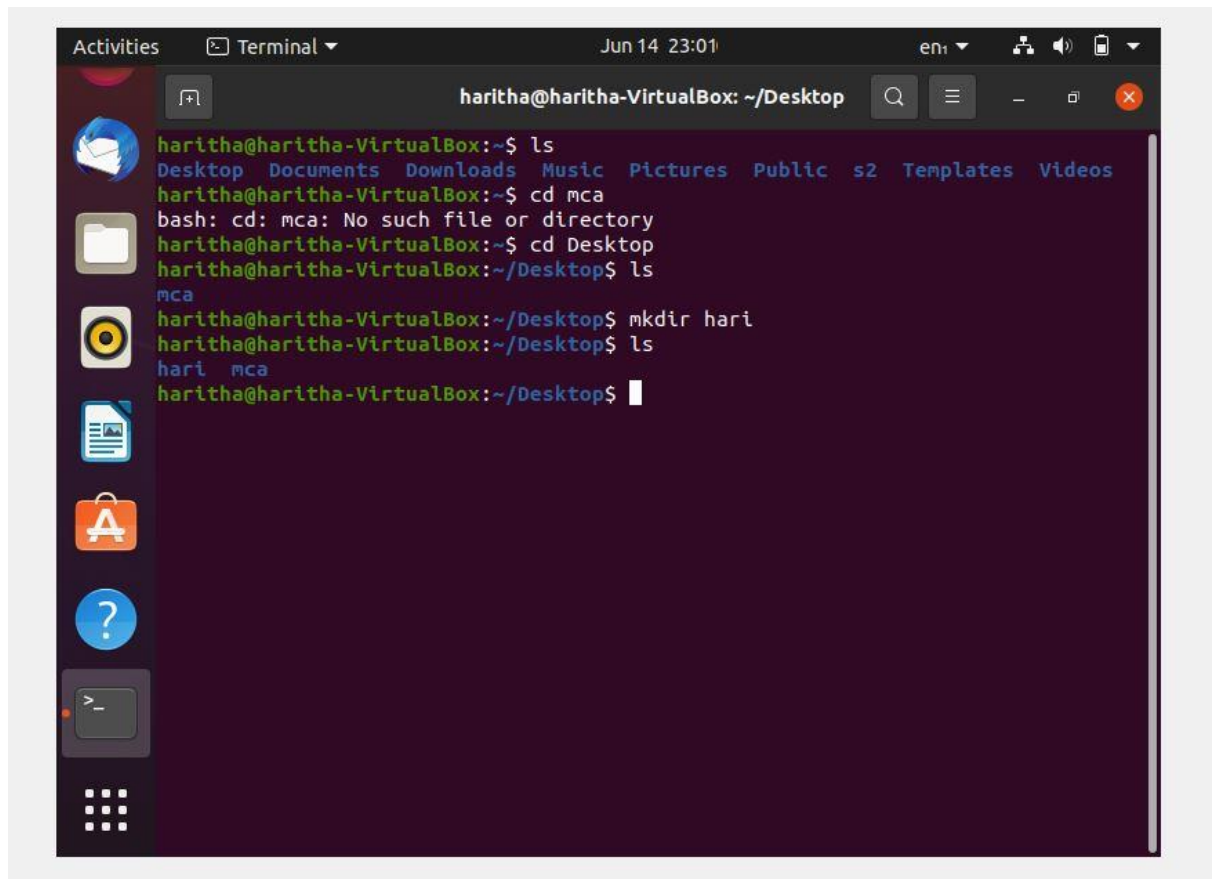
5. ls

- ❖ Used to view the content of the directory
- ❖ Ls -R (Will list all the files in the sub directory)
- ❖ Ls -a (long listing) → Ls -al (will show hidden files)



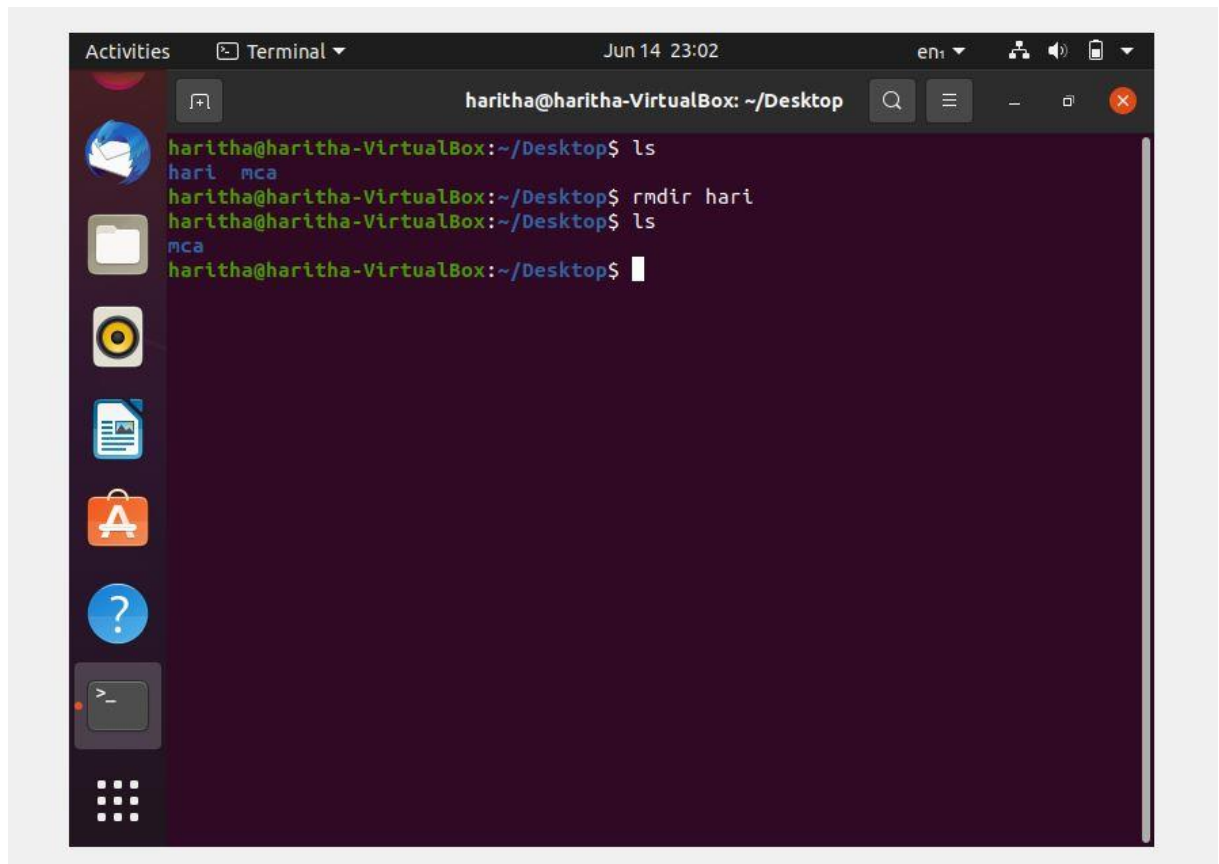
6. Mkdir

- ❖ To make a new directory
- ❖ Mkdir -p (to create a directory in between two existing directory)



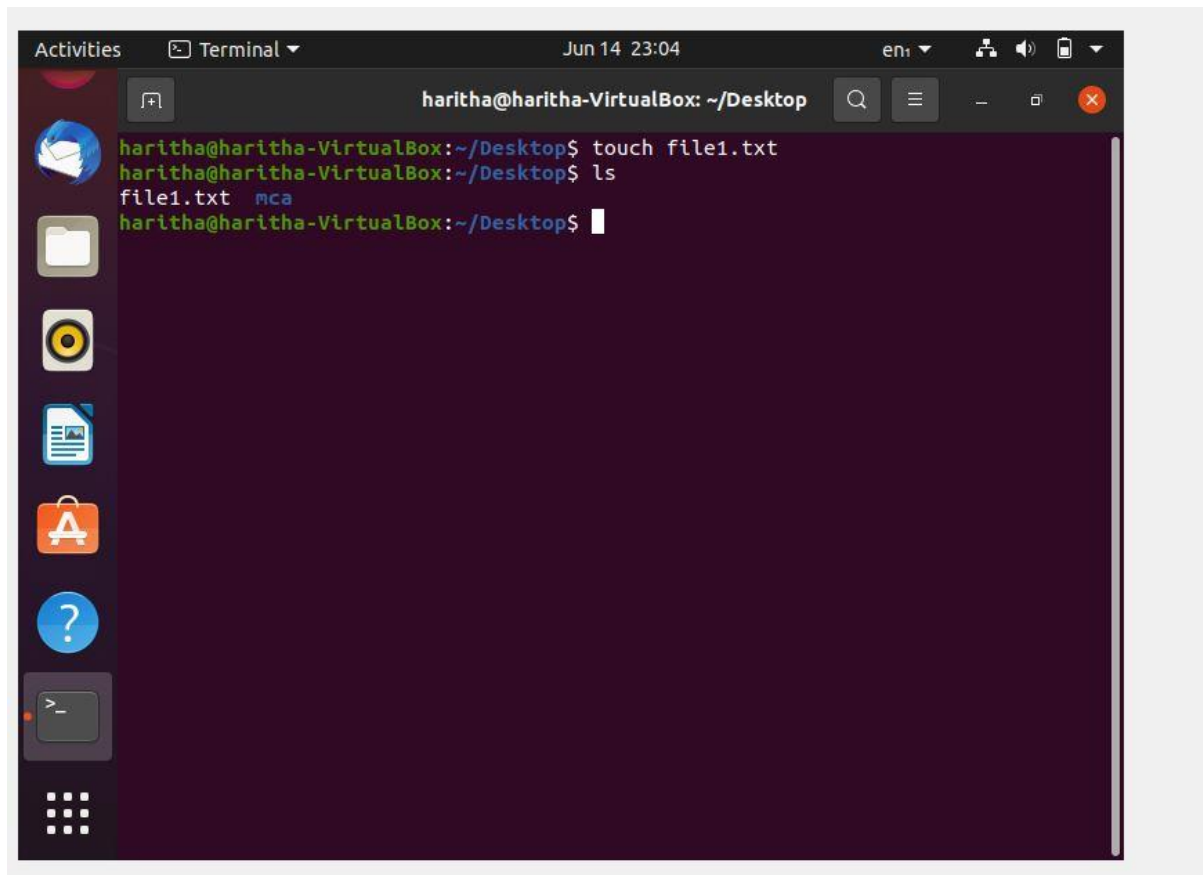
7.rmdir

- ❖ To delete a directory (only allows you to delete empty directories)



8.touch

- ❖ To create a blank new file



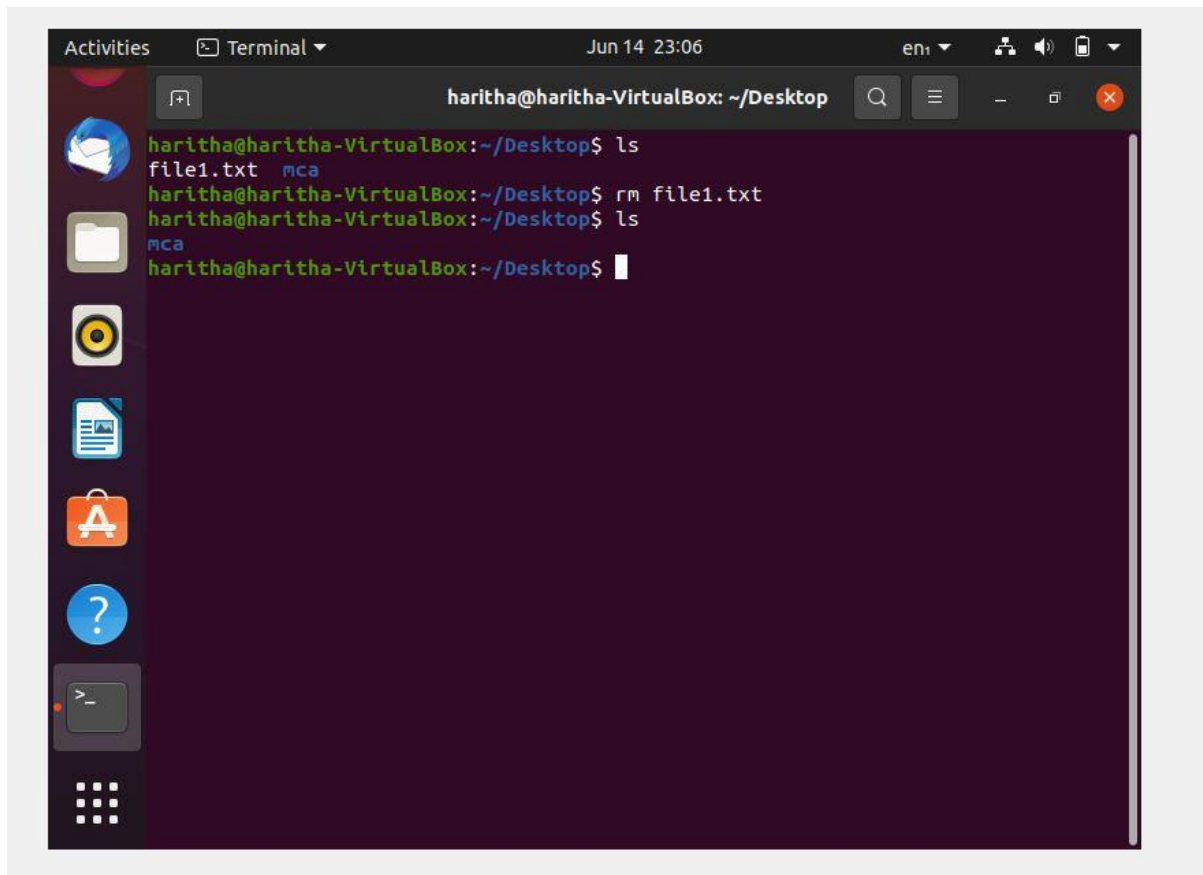
The image shows a terminal window titled "haritha@haritha-VirtualBox: ~/Desktop". The window has a dark purple background. The terminal shows the following commands and output:

```
haritha@haritha-VirtualBox:~/Desktop$ touch file1.txt
haritha@haritha-VirtualBox:~/Desktop$ ls
file1.txt  mca
haritha@haritha-VirtualBox:~/Desktop$
```

The terminal window is part of a desktop environment with a sidebar on the left containing icons for various applications like a file manager, a media player, a document editor, and a terminal. The top of the window shows system information like the date and time (Jun 14 23:04) and the language (en).

9. rm

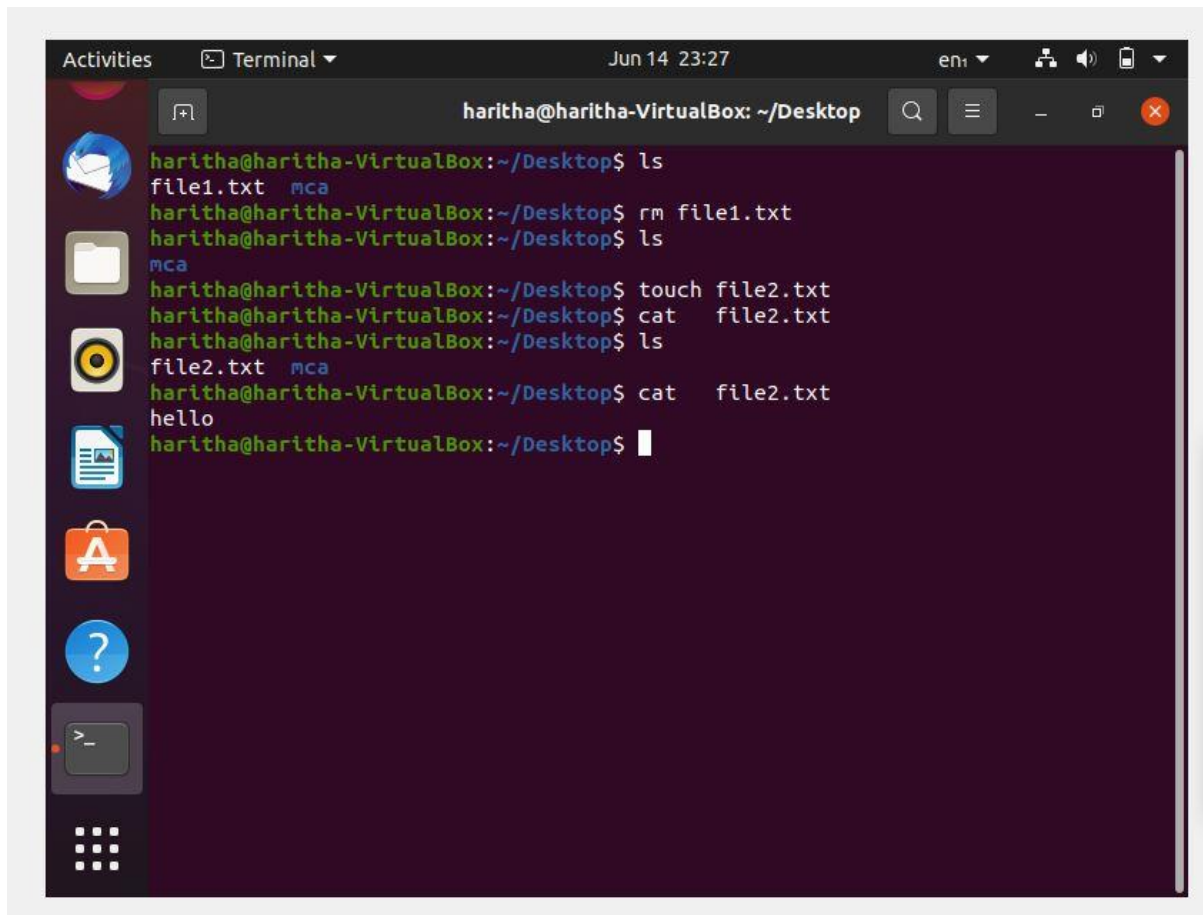
- ❖ To delete directories and the contents within then
- ❖ Rm -r (to delete directory)
- ❖ Rm filename (to remove a file)

A screenshot of a Linux terminal window titled "haritha@haritha-VirtualBox: ~/Desktop". The window shows a sequence of commands and their outputs. The user first runs 'ls', which lists 'file1.txt' and 'mca'. Then, they run 'rm file1.txt' to remove the file. Finally, they run 'ls' again, which now only lists 'mca'. The terminal has a dark purple background and a light blue prompt. The window's title bar includes the date and time 'Jun 14 23:06' and standard window controls. A sidebar on the left shows various application icons.

```
haritha@haritha-VirtualBox: ~/Desktop
haritha@haritha-VirtualBox:~/Desktop$ ls
file1.txt  mca
haritha@haritha-VirtualBox:~/Desktop$ rm file1.txt
haritha@haritha-VirtualBox:~/Desktop$ ls
mca
haritha@haritha-VirtualBox:~/Desktop$
```

10. cat

- ❖ List the content of a file
- ❖ Cat >filename(create a new file)
- ❖ Cat filename1file name2>filename3(join two files and store the output)
- ❖ Cat filename | tr a-z A-Z



The image shows a terminal window titled "haritha@haritha-VirtualBox: ~/Desktop". The window has a dark theme with a purple background. The terminal output shows the following commands and results:

```
haritha@haritha-VirtualBox:~/Desktop$ ls
file1.txt  mca
haritha@haritha-VirtualBox:~/Desktop$ rm file1.txt
haritha@haritha-VirtualBox:~/Desktop$ ls
mca
haritha@haritha-VirtualBox:~/Desktop$ touch file2.txt
haritha@haritha-VirtualBox:~/Desktop$ cat file2.txt
haritha@haritha-VirtualBox:~/Desktop$ ls
file2.txt  mca
haritha@haritha-VirtualBox:~/Desktop$ cat file2.txt
hello
haritha@haritha-VirtualBox:~/Desktop$
```

The terminal window includes a sidebar with icons for various applications and a top bar with system information like the date and time (Jun 14 23:27).