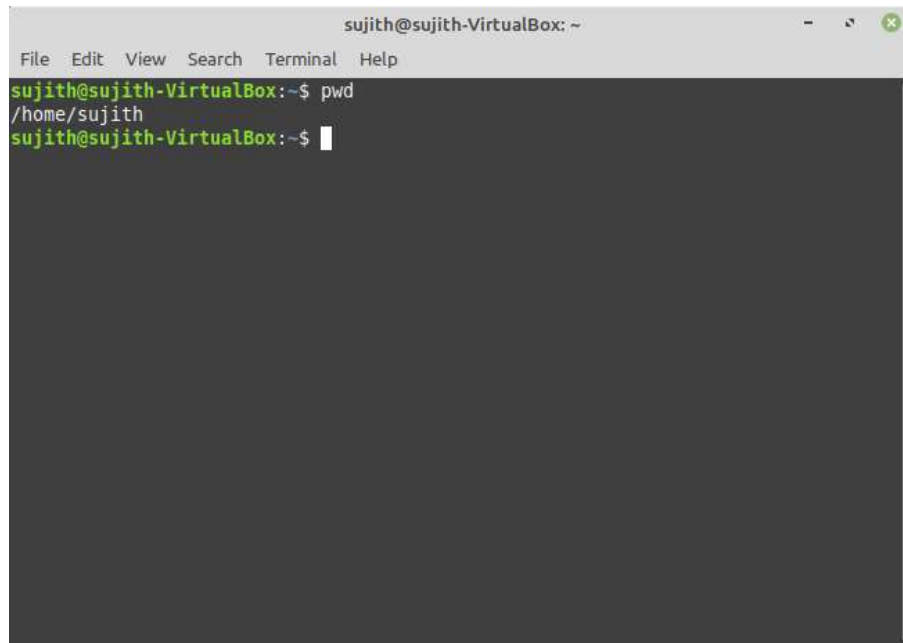


## Basic Linux Commands

### 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(\)

A screenshot of a terminal window titled 'sujith@sujith-VirtualBox: ~'. The window has a menu bar with 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'. The terminal shows the command 'pwd' being entered, followed by the output '/home/sujith'. The prompt 'sujith@sujith-VirtualBox:~\$' is visible at the bottom.

```
sujith@sujith-VirtualBox: ~  
File Edit View Search Terminal Help  
sujith@sujith-VirtualBox:~$ pwd  
/home/sujith  
sujith@sujith-VirtualBox:~$
```

- **Relative path** defined as the path related to the present working directory  
From root directory

### 2) History

- To review the commands, you have entered before

```
sujith@sujith-VirtualBox: ~  
File Edit View Search Terminal Help  
sujith@sujith-VirtualBox:~$ pwd  
/home/sujith  
sujith@sujith-VirtualBox:~$ history  
1  pwd  
2  history  
sujith@sujith-VirtualBox:~$
```

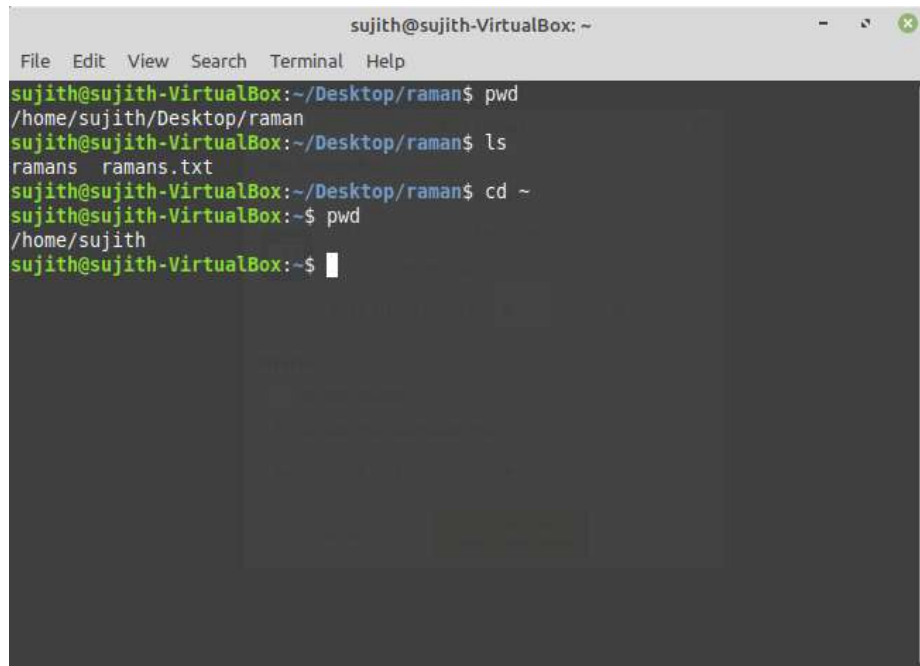
### 3) Man

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

```
sujith@sujith-VirtualBox: ~  
File Edit View Search Terminal Help  
PRINTF(1) User Commands PRINTF(1)  
NAME  
printf - format and print data  
SYNOPSIS  
printf FORMAT [ARGUMENT]...  
printf OPTION  
DESCRIPTION  
Print ARGUMENT(s) according to FORMAT, or execute according to OPTION:  
--help display this help and exit  
--version output version information and exit  
FORMAT controls the output as in C printf. Interpreted sequences are:  
\" double quote  
\\ backslash  
Manual page printf(1) line 1 (press h for help or q to quit)
```

#### 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)



```
File Edit View Search Terminal Help
sujith@sujith-VirtualBox: ~
sujith@sujith-VirtualBox:~/Desktop/raman$ pwd
/home/sujith/Desktop/raman
sujith@sujith-VirtualBox:~/Desktop/raman$ ls
ramans  ramans.txt
sujith@sujith-VirtualBox:~/Desktop/raman$ cd ~
sujith@sujith-VirtualBox:~$ pwd
/home/sujith
sujith@sujith-VirtualBox:~$
```

#### 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)

```
sujith@sujith-VirtualBox: ~  
File Edit View Search Terminal Help  
sujith@sujith-VirtualBox:~/Desktop/raman$ pwd  
/home/sujith/Desktop/raman  
sujith@sujith-VirtualBox:~/Desktop/raman$ ls  
ramans ramans.txt  
sujith@sujith-VirtualBox:~/Desktop/raman$ cd ~  
sujith@sujith-VirtualBox:~$ pwd  
/home/sujith  
sujith@sujith-VirtualBox:~$
```

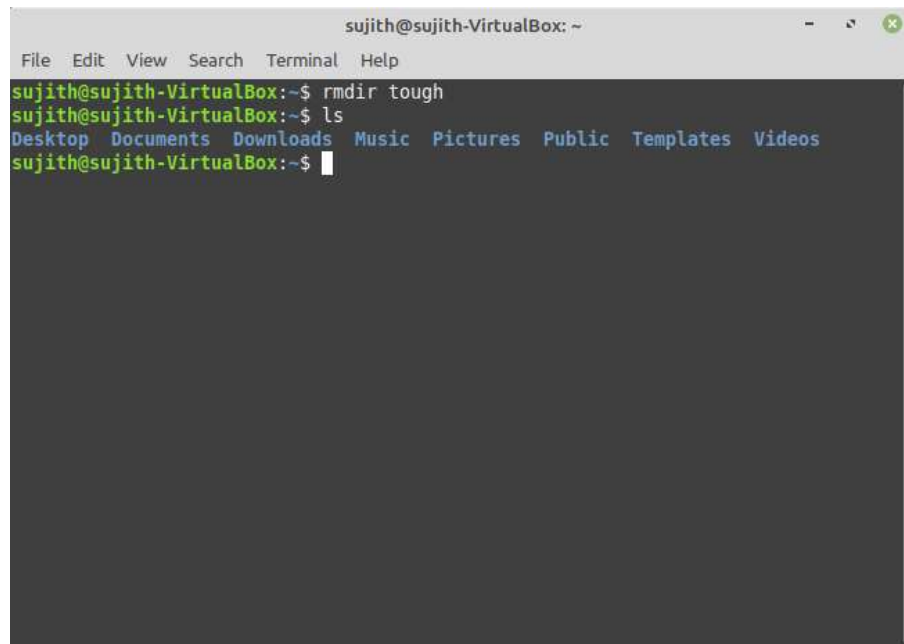
## 6) Mkdir

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

```
sujith@sujith-VirtualBox: ~  
File Edit View Search Terminal Help  
sujith@sujith-VirtualBox:~$ mkdir tough  
sujith@sujith-VirtualBox:~$ ls  
Desktop Downloads Pictures Templates Videos  
Documents Music Public tough  
sujith@sujith-VirtualBox:~$
```

## 7) rmdir

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

A terminal window titled 'sujith@sujith-VirtualBox: ~' with a menu bar containing 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'. The terminal shows the following commands and output:

```
sujith@sujith-VirtualBox:~$ rmdir tough
sujith@sujith-VirtualBox:~$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
sujith@sujith-VirtualBox:~$
```

## 8) touch

→ To create a blank new file

```
sujith@sujith-VirtualBox: ~  
File Edit View Search Terminal Help  
sujith@sujith-VirtualBox:~$ touch thewhitedevil.txt  
sujith@sujith-VirtualBox:~$ ls  
Desktop Downloads Pictures Templates Videos  
Documents Music Public thewhitedevil.txt  
sujith@sujith-VirtualBox:~$
```

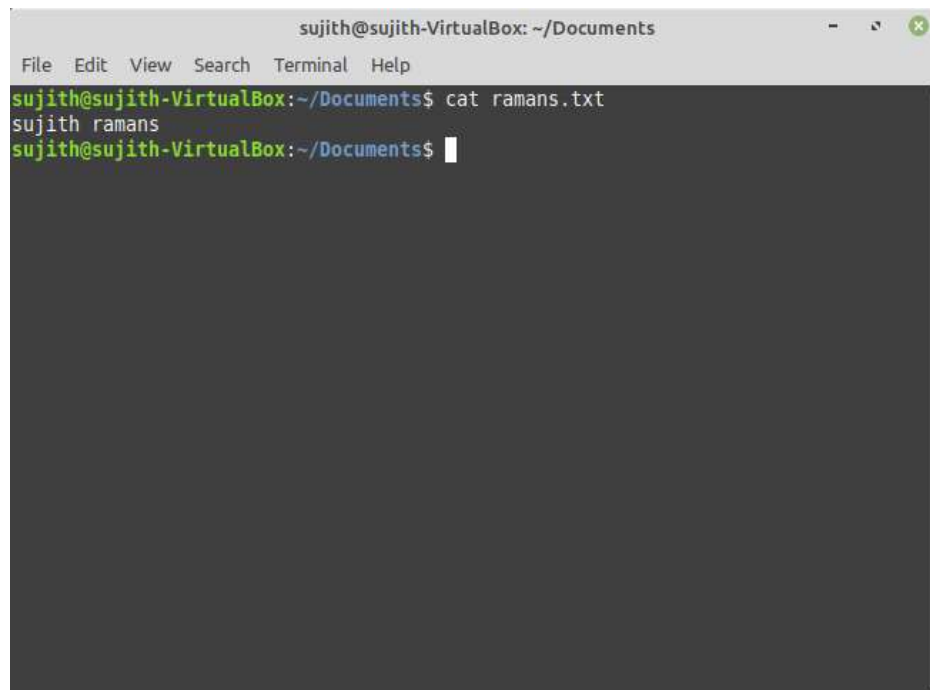
## 9)rm

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

```
sujith@sujith-VirtualBox: ~  
File Edit View Search Terminal Help  
sujith@sujith-VirtualBox:~$ rm thewhitedevil.txt  
sujith@sujith-VirtualBox:~$ ls  
Desktop Documents Downloads Music Pictures Public Templates Videos  
sujith@sujith-VirtualBox:~$
```

## 10)cat

- List the content of a file
- Cat >filename(create a new file)
- Cat filename1 file name2>filename3(join two files and store the output)
- Cat filename | tr a-z A-Z



```
sujith@sujith-VirtualBox: ~/Documents
File Edit View Search Terminal Help
sujith@sujith-VirtualBox:~/Documents$ cat ramans.txt
sujith ramans
sujith@sujith-VirtualBox:~/Documents$
```