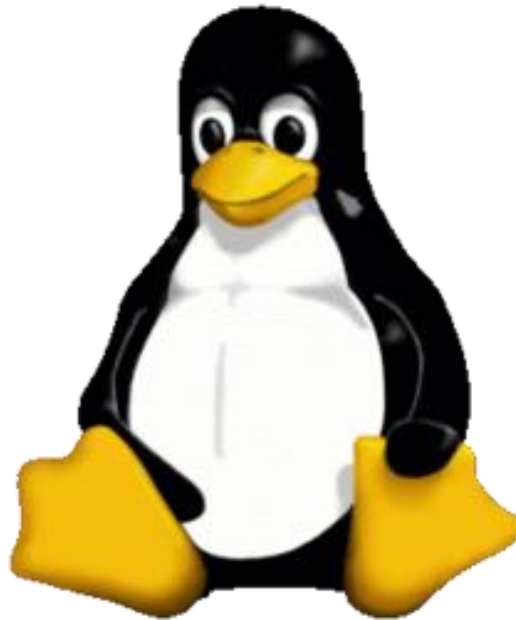
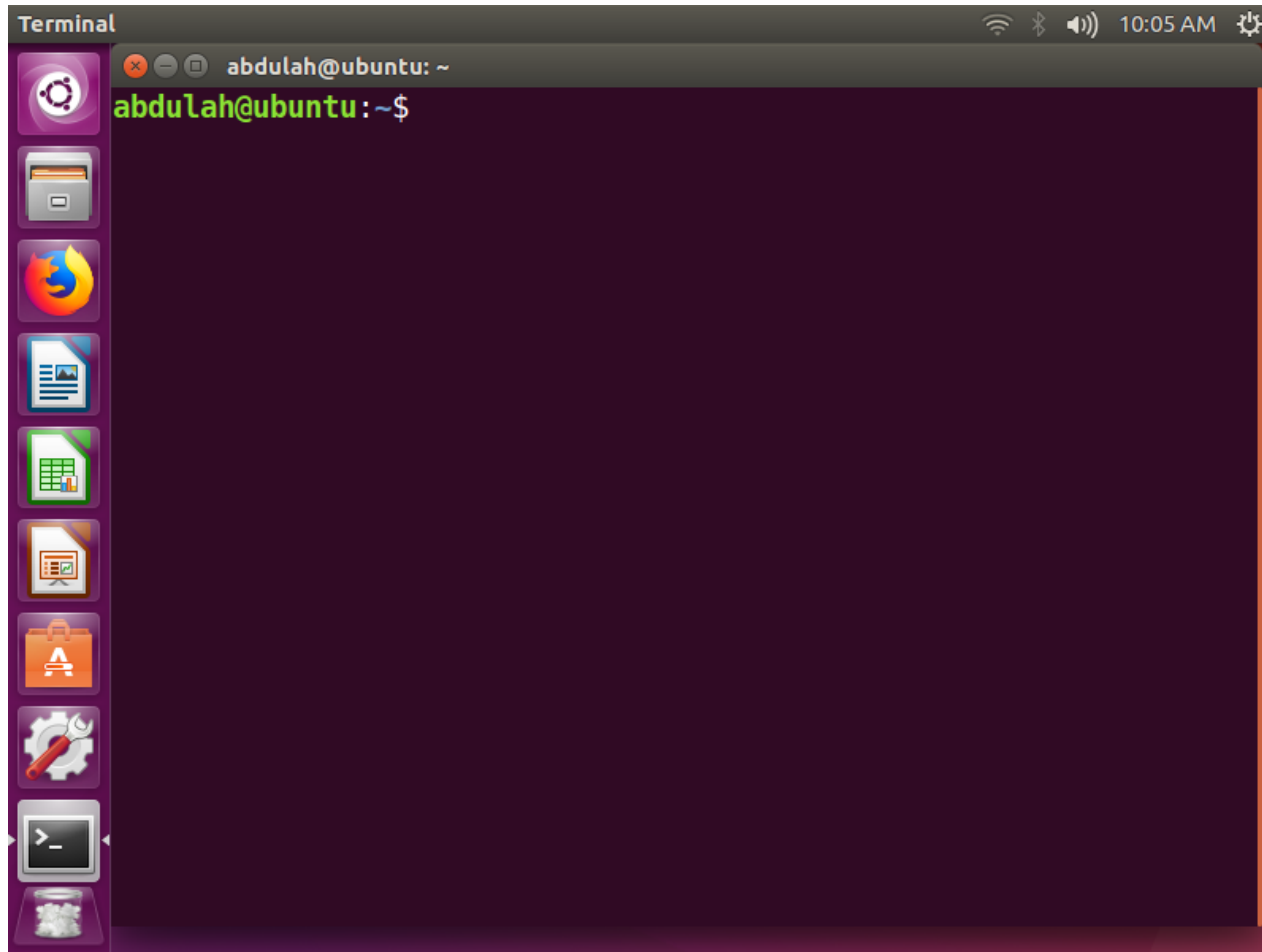


# Must know Linux Commands

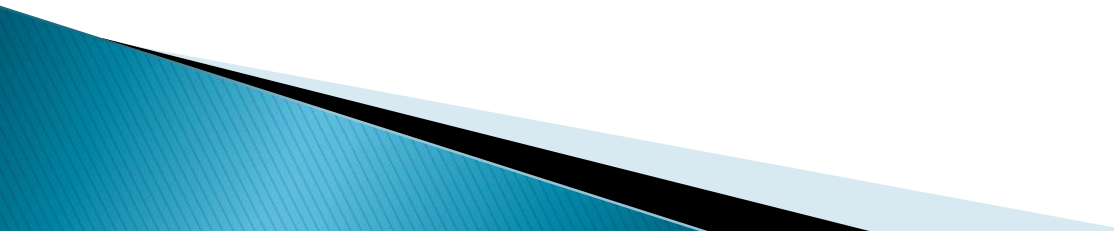


“Linux Command Line”

# CLI is Important



# Listing Files

- ▶ **LS Command**  
Displays files in the current Directories
  - ▶ **LS -l** Directories / Files in details
  - ▶ **LS -a** Hidden Files (dot files)
  - ▶ **LS -la** a Combination of
  - ▶ **LS -R**  
Listing Subdirectories / Files
- 

# Listing Files

abdulah@ubuntu: ~

10:50 AM

Desktop

Music

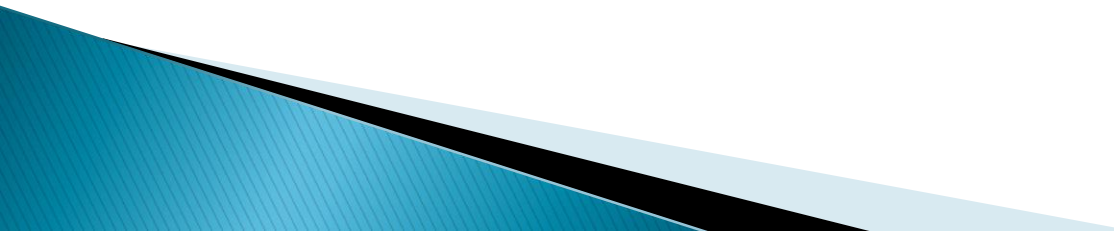
abdulah@ubuntu:~\$ clear

abdulah@ubuntu:~\$ ls -al

total 120

drwxr-xr-x	18	abdulah	abdulah	4096	Sep 22	10:04	.
drwxr-xr-x	3	root	root	4096	Sep 15	08:24	..
drwxrwxr-x	2	abdulah	abdulah	4096	Sep 20	00:34	Ali
-rw-----	1	abdulah	abdulah	1578	Sep 20	00:48	.bash_history
-rw-r--r--	1	abdulah	abdulah	220	Sep 15	08:24	.bash_logout
-rw-r--r--	1	abdulah	abdulah	3771	Sep 15	08:24	.bashrc
drwx-----	16	abdulah	abdulah	4096	Sep 22	10:05	.cache
drwx-----	3	abdulah	abdulah	4096	Sep 15	12:02	.compiz
drwx-----	17	abdulah	abdulah	4096	Sep 20	00:25	.config
drwxr-xr-x	2	abdulah	abdulah	4096	Sep 17	11:36	Desktop
-rw-r--r--	1	abdulah	abdulah	25	Sep 15	08:40	.dmrc
drwxr-xr-x	3	abdulah	abdulah	4096	Sep 17	22:32	Documents
drwxr-xr-x	2	abdulah	abdulah	4096	Sep 15	08:40	Downloads
-rw-r--r--	1	abdulah	abdulah	8980	Sep 15	08:24	examples.desktop
drwx-----	2	abdulah	abdulah	4096	Sep 15	10:53	.gconf
drwx-----	3	abdulah	abdulah	4096	Sep 22	10:04	.gnupg
-rw-----	1	abdulah	abdulah	3498	Sep 22	10:04	.ICEauthority
drwx-----	3	abdulah	abdulah	4096	Sep 15	08:40	.local
drwx-----	5	abdulah	abdulah	4096	Sep 15	11:06	.mozilla
drwxr-xr-x	2	abdulah	abdulah	4096	Sep 15	08:40	Music
drwxr-xr-x	2	abdulah	abdulah	4096	Sep 22	10:22	Pictures

# Listing Files

- ▶ File type and access permissions
  - ▶ Memory Blocks
  - ▶ Owner / Creator
  - ▶ User Groups
  - ▶ File size in Bytes
  - ▶ Date and Time
  - ▶ File / Directory name
- 

# Listing Files

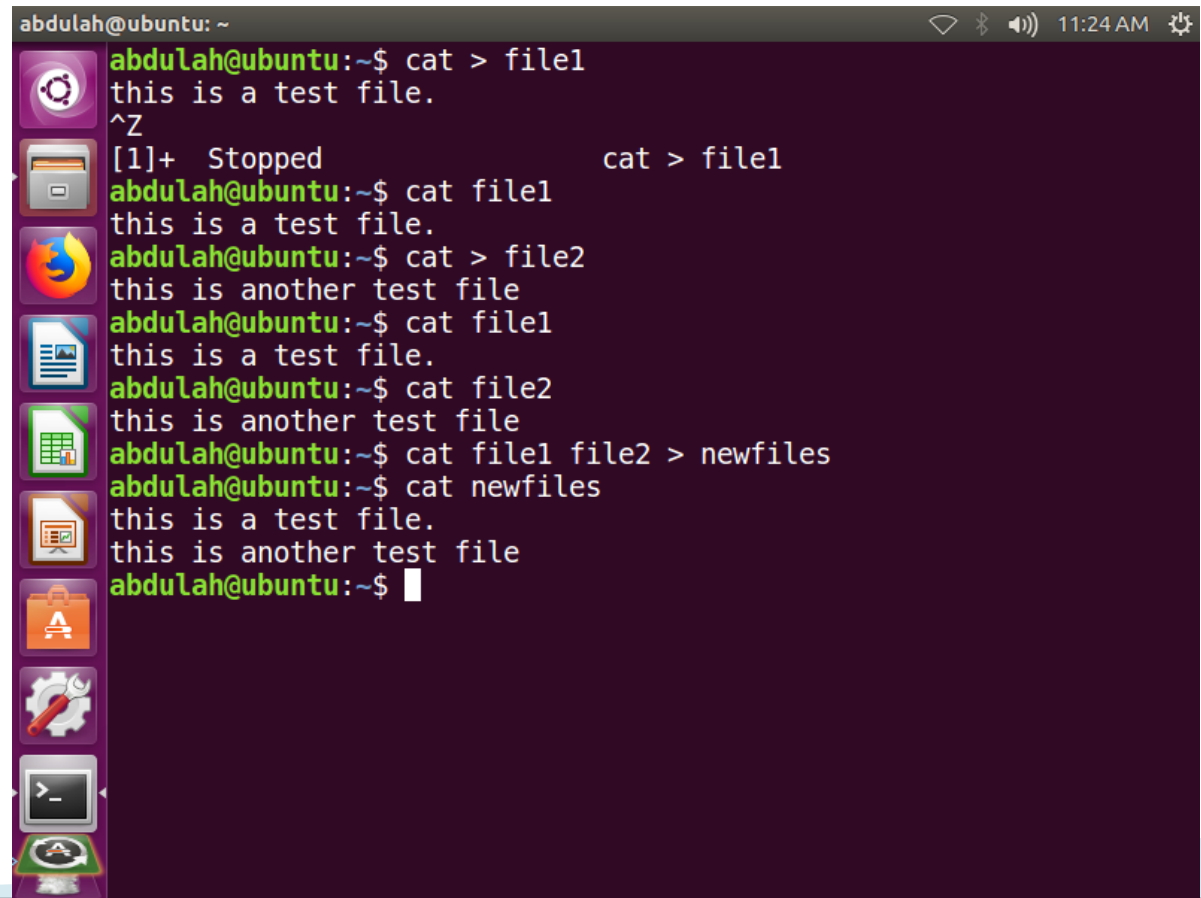
```
abdu1ah@ubuntu: ~  
abdu1ah@ubuntu:~$ ls -R  
.:  
Ali      Documents  examples.desktop  Pictures  Templates  
Desktop  Downloads  Music             Public    Videos  
  
./Ali:  
1  
  
./Desktop:  
  
./Documents:  
Ali  tijaabo.txt  
  
./Documents/Ali:  
  
./Downloads:  
  
./Music:  
  
./Pictures:  
2 3  Screenshot from 2019-09-22 10-05-37.png  
  
./Public:  
  
./Templates:  
untitled Document
```



# Creating & View files

## The cat Command

- Display
- Copy
- Combine
- Create Text Files

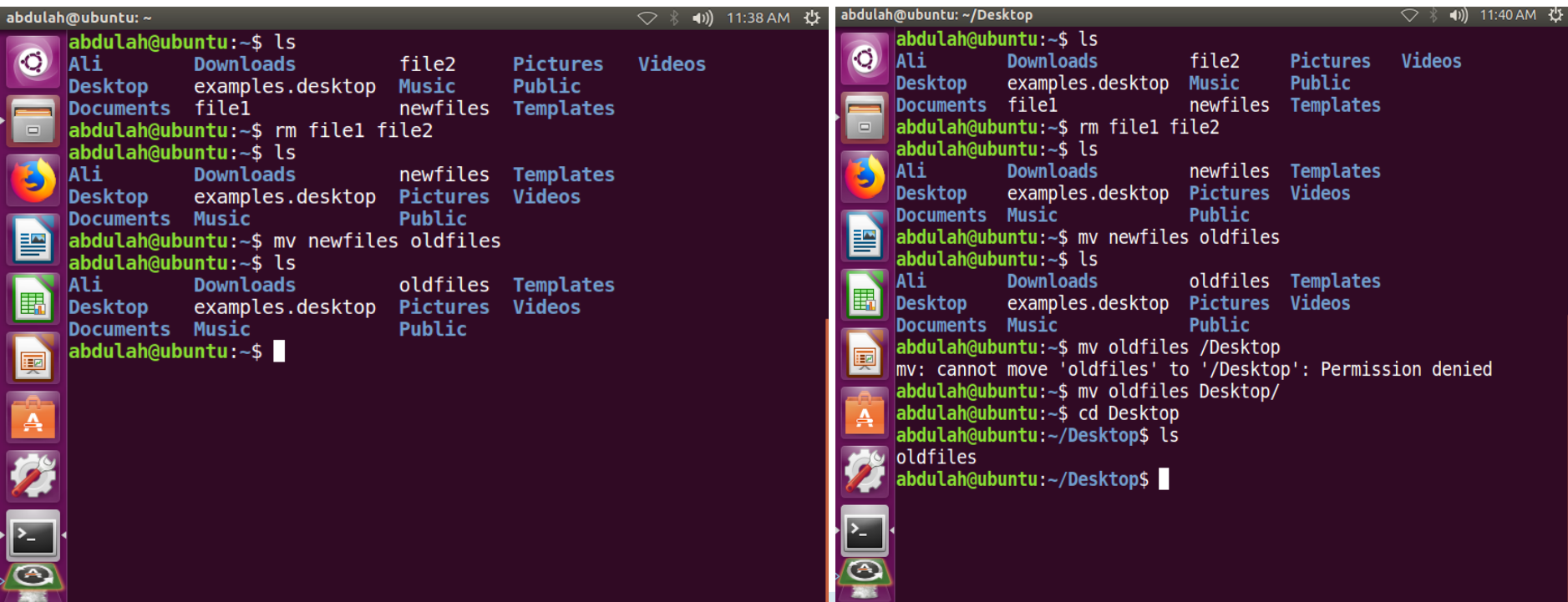
A terminal window titled 'abdulah@ubuntu: ~' with a dark purple background. The window shows a series of commands and their outputs. On the left side of the terminal, there is a vertical dock with icons for various applications: Dash, Home Folder, Files, Firefox, LibreOffice Writer, LibreOffice Calc, LibreOffice Impress, LibreOffice Draw, System Settings, and a terminal icon. The terminal output is as follows:

```
abdulah@ubuntu:~$ cat > file1
this is a test file.
^Z
[1]+  Stopped                  cat > file1
abdulah@ubuntu:~$ cat file1
this is a test file.
abdulah@ubuntu:~$ cat > file2
this is another test file
abdulah@ubuntu:~$ cat file1
this is a test file.
abdulah@ubuntu:~$ cat file2
this is another test file
abdulah@ubuntu:~$ cat file1 file2 > newfiles
abdulah@ubuntu:~$ cat newfiles
this is a test file.
this is another test file
abdulah@ubuntu:~$
```

# Deleting Files

`rm <filenames>`

`mv <filenames> <newfilelocation>`



The image displays two side-by-side terminal windows from an Ubuntu desktop environment. The left window shows the user 'abdu' at the prompt '~' at 11:38 AM. It lists directory contents with 'ls', removes files 'file1' and 'file2' with 'rm', and moves 'newfiles' to 'oldfiles' with 'mv'. The right window shows the user at the prompt '~/Desktop' at 11:40 AM. It lists contents, removes files, moves 'newfiles' to 'oldfiles', and then attempts to move 'oldfiles' to the Desktop, receiving a 'Permission denied' error. The user then changes to the Desktop directory and lists its contents, showing 'oldfiles' is present.

```
abdu@ubuntu: ~  
abdu@ubuntu:~$ ls  
Ali      Downloads      file2      Pictures  Videos  
Desktop  examples.desktop Music      Public  
Documents file1          newfiles  Templates  
abdu@ubuntu:~$ rm file1 file2  
abdu@ubuntu:~$ ls  
Ali      Downloads      newfiles  Templates  
Desktop  examples.desktop Pictures  Videos  
Documents Music          Public  
abdu@ubuntu:~$ mv newfiles oldfiles  
abdu@ubuntu:~$ ls  
Ali      Downloads      oldfiles  Templates  
Desktop  examples.desktop Pictures  Videos  
Documents Music          Public  
abdu@ubuntu:~$
```

```
abdu@ubuntu: ~/Desktop  
abdu@ubuntu:~$ ls  
Ali      Downloads      file2      Pictures  Videos  
Desktop  examples.desktop Music      Public  
Documents file1          newfiles  Templates  
abdu@ubuntu:~$ rm file1 file2  
abdu@ubuntu:~$ ls  
Ali      Downloads      newfiles  Templates  
Desktop  examples.desktop Pictures  Videos  
Documents Music          Public  
abdu@ubuntu:~$ mv newfiles oldfiles  
abdu@ubuntu:~$ ls  
Ali      Downloads      oldfiles  Templates  
Desktop  examples.desktop Pictures  Videos  
Documents Music          Public  
abdu@ubuntu:~$ mv oldfiles /Desktop  
mv: cannot move 'oldfiles' to '/Desktop': Permission denied  
abdu@ubuntu:~$ mv oldfiles Desktop/  
abdu@ubuntu:~$ cd Desktop  
abdu@ubuntu:~/Desktop$ ls  
oldfiles  
abdu@ubuntu:~/Desktop$
```



# Creating Directories

mkdir <dirname>

mkdir </path/newdirname>

mkdir <folder folder1 folder2>

rmdir <dirname>

mv <dirname> <newdirname>

man <commandname>

history

clear

