

Basic Linux Commands

Command When It's Used

- Echo** - To display text or variable values on the terminal.
- Cd** - To change directories.
- Ls** - To list files and folders in the current directory.
- cd ..** - To go back one directory level.
- cd ~** - To go directly to the home directory.
- ll** - list files with detailed information.
- ls -a** - To see hidden files.
- Mkdir** - To create a new directory.
- Mv** - To move or rename files or folders.
- mv .** - to move something to the current directory.
- History** - To see previously executed commands.
- rm -rf** - remove or to delete directories recursively.
- Date** - To display or set the system date and time.
- Clear** - To clear the terminal screen.
- mv cp -r** - Incorrect mix; cp -r is used to copy directories recursively.
- Vi** - To edit or create text files using the vi editor.
- Cat** - To view or combine file contents.
- Wc** - To count lines, words, or characters in a file.

1st Screen shot I have used below commands

1. This screen shot used **echo \$0** for knowing the shell,
2. **Pwd** is used to know my directory
3. **LS** is used know the list of the files
4. **CD** to change directory if we want to change our location or move into any directory
5. **Ls -a** used to show my hidden file in the list

```
boxuser@ubuntu: ~/Desktop/AArju$ echo
boxuser@ubuntu: ~/Desktop/AArju$ pwd
home/vboxuser/Desktop/AArju
boxuser@ubuntu: ~/Desktop/AArju$ ls
Evvp
boxuser@ubuntu: ~/Desktop/AArju$ cd..
d..: command not found
boxuser@ubuntu: ~/Desktop/AArju$ cd ..
boxuser@ubuntu: ~/Desktop$ pwd
home/vboxuser/Desktop
boxuser@ubuntu: ~/Desktop$ ls
Arju  Arjumand  Class  Devops
boxuser@ubuntu: ~/Desktop$ mv AArju .AArju
boxuser@ubuntu: ~/Desktop$ ls
Arjumand  Class  Devops
boxuser@ubuntu: ~/Desktop$ ls-a
s-a: command not found
boxuser@ubuntu: ~/Desktop$ ls -a
.  ..  .AArju  Arjumand  Class  Devops
boxuser@ubuntu: ~/Desktop$
```

2. In second screen shot I have used below list of commands

1. **mkdir** – to create directory and verified by giving **ls** command

2. used **ll** command to know the details of list file which is there in current directory
3. **Mkdir -p** for creating the path
4. **cd~** is used to go to home directory

```
cd..: command not found
vboxuser@ubuntu:~/Desktop/Arjumand$ cd~
Command 'cd~' not found, did you mean:
  command 'cde' from deb cde (0.1+git9-g551e54d-1.2)
  command 'cdw' from deb cdw (0.8.1-3)
  command 'cdb' from deb tinycdb (0.81-1)
  command 'cd5' from deb cd5 (0.1-4)
  command 'cdi' from deb cdo (2.3.0-1)
  command 'cdo' from deb cdo (2.3.0-1)
  command 'cdp' from deb irpas (0.10-9)
Try: sudo apt install <deb name>
vboxuser@ubuntu:~/Desktop/Arjumand$ pwd
/home/vboxuser/Desktop/Arjumand
vboxuser@ubuntu:~/Desktop/Arjumand$ cd ..
vboxuser@ubuntu:~/Desktop$ pwd
/home/vboxuser/Desktop
vboxuser@ubuntu:~/Desktop$ mkdir -p AArju/DEvvop/CClass
vboxuser@ubuntu:~/Desktop$ pwd
/home/vboxuser/Desktop
vboxuser@ubuntu:~/Desktop$ ls
AArju  Arjumand  Class  Devops
vboxuser@ubuntu:~/Desktop$ cd AArju
vboxuser@ubuntu:~/Desktop/AArju$ ls
DEvvop
vboxuser@ubuntu:~/Desktop/AArju$ cd CClass
bash: cd: CClass: No such file or directory
vboxuser@ubuntu:~/Desktop/AArju$ pwd
/home/vboxuser/Desktop/AArju
vboxuser@ubuntu:~/Desktop/AArju$ ls
```

3rd Screenshot I have used below commands

1. **Mv** To move or rename files or folders.
2. **mv .** to move something to the current directory.
3. **Date** Command used to show date
4. **Used mv** To unhide file.

```
vboxuser@ubuntu: ~/Desktop x vboxuser@ubuntu: ~/Desktop/
vboxuser@ubuntu:~/Desktop/AArju$ cd DEvop
vboxuser@ubuntu:~/Desktop/AArju/DEvop$ ls
CClass
vboxuser@ubuntu:~/Desktop/AArju/DEvop$ cd CClass
vboxuser@ubuntu:~/Desktop/AArju/DEvop/CClass$ cd ../../
vboxuser@ubuntu:~/Desktop/AArju$ pwd
/home/vboxuser/Desktop/AArju
vboxuser@ubuntu:~/Desktop/AArju$ mv AArju .AArju
mv: cannot stat 'AArju': No such file or directory
vboxuser@ubuntu:~/Desktop/AArju$ cd..
cd..: command not found
vboxuser@ubuntu:~/Desktop/AArju$ cd ..
vboxuser@ubuntu:~/Desktop$ mv AArju .AArju
vboxuser@ubuntu:~/Desktop$ ls
Arjumand Class Devops
vboxuser@ubuntu:~/Desktop$ ls -a
. . . .AArju Arjumand Class Devops
vboxuser@ubuntu:~/Desktop$ mv .AArju AArju
vboxuser@ubuntu:~/Desktop$ ls
AArju Arjumand Class Devops
vboxuser@ubuntu:~/Desktop$ date
Tue Oct 28 09:49:12 AM UTC 2025
vboxuser@ubuntu:~/Desktop$ rm -rf CClass
vboxuser@ubuntu:~/Desktop$ pwd
/home/vboxuser/Desktop
vboxuser@ubuntu:~/Desktop$ ls
AArju Arjumand Class Devops
vboxuser@ubuntu:~/Desktop$ cd AArju
vboxuser@ubuntu:~/Desktop/AArju$ ls
```

4th Screenshot has below commands are executed

rm -rf - remove or to delete directories recursively.

Date - To display or set the system date and time.

Clear - To clear the terminal screen.

mv cp -r Incorrect mix; cp -r is used to copy directories recursively.

Vi - To edit or create text files using the vi editor. -

Cat - To view or combine file contents.

Wc - To count lines, words, or characters in a file.

- Touch

Touch - used to make file called DevOps

Chmod 555- Used to change the permission of word file.

Vi – Vi command used to write inside the file(DevOps)

```
bash: cd: AArju: No such file or directory
vboxuser@ubuntu:~/Desktop/AArju$ touch DevOps
vboxuser@ubuntu:~/Desktop/AArju$ vi DevOps
vboxuser@ubuntu:~/Desktop/AArju$ cat DevOps

Hello World

vboxuser@ubuntu:~/Desktop/AArju$ wc DevOps
 3  2 15 DevOps
vboxuser@ubuntu:~/Desktop/AArju$ cd ..
vboxuser@ubuntu:~/Desktop$ pwd
/home/vboxuser/Desktop
vboxuser@ubuntu:~/Desktop$ chmod 555
chmod: missing operand after '555'
Try 'chmod --help' for more information.
vboxuser@ubuntu:~/Desktop$ ls ll
ls: cannot access 'll': No such file or directory
vboxuser@ubuntu:~/Desktop$ ls -ltr
total 24
drwxrwxr-x 2 vboxuser vboxuser 4096 Jul  9 12:50 Arjuman
drwxrwxr-x 2 vboxuser vboxuser 4096 Oct 28 09:35 Devops
drwxrwxr-x 2 vboxuser vboxuser 4096 Oct 28 09:35 Class
drwxrwxr-x 2 vboxuser vboxuser 4096 Oct 28 09:36 Arjumand
-rw-rw-r-- 1 vboxuser vboxuser  13 Oct 28 10:18 word
drwxrwxr-x 2 vboxuser vboxuser 4096 Oct 28 11:46 d1
vboxuser@ubuntu:~/Desktop$ ls
Arjuman Arjumand Class d1 Devops word
vboxuser@ubuntu:~/Desktop$ chmod 555 word
vboxuser@ubuntu:~/Desktop$ vi word
vboxuser@ubuntu:~/Desktop$
```

```
vboxuser@ubuntu:~/Desktop$ ls
AArju  Arjumand  Class  Devops
vboxuser@ubuntu:~/Desktop$ date
Tue Oct 28 09:49:12 AM UTC 2025
vboxuser@ubuntu:~/Desktop$ rm -rf CClass
vboxuser@ubuntu:~/Desktop$ pwd
/home/vboxuser/Desktop
vboxuser@ubuntu:~/Desktop$ ls
AArju  Arjumand  Class  Devops
vboxuser@ubuntu:~/Desktop$ cd AArju
vboxuser@ubuntu:~/Desktop/AArju$ ls
DEvvop
vboxuser@ubuntu:~/Desktop/AArju$ CD DEvvop
CD: command not found
vboxuser@ubuntu:~/Desktop/AArju$ cd DEvvop
vboxuser@ubuntu:~/Desktop/AArju/DEvvop$ ls
CClass
vboxuser@ubuntu:~/Desktop/AArju/DEvvop$ rm -rf CClass
vboxuser@ubuntu:~/Desktop/AArju/DEvvop$ ls
vboxuser@ubuntu:~/Desktop/AArju/DEvvop$ ls -a
.  ..
vboxuser@ubuntu:~/Desktop/AArju/DEvvop$ cd ..
vboxuser@ubuntu:~/Desktop/AArju$ pwd
/home/vboxuser/Desktop/AArju
vboxuser@ubuntu:~/Desktop/AArju$ cp -r DEvvop/^C
vboxuser@ubuntu:~/Desktop/AArju$ pwd
/home/vboxuser/Desktop/AArju
vboxuser@ubuntu:~/Desktop/AArju$ cd AArju
bash: cd: AArju: No such file or directory
vboxuser@ubuntu:~/Desktop/AArju$
```