

LINUX COMMANDS

1.**ls**: List directory contents.

```
PS C:\Users\tejas> ls
```

Directory: C:\Users\tejas

Mode	LastWriteTime	Length	Name
-----	-----	-----	----
d-----	09-04-2022	11:41	.cache
d-----	03-08-2023	15:13	.dotnet
d-----	22-04-2023	21:14	.idea
d-----	18-02-2022	19:45	.idlerc
d-----	21-11-2022	21:18	.matplotlib
d-----	14-07-2022	13:47	.scenebuilder
d-----	03-08-2023	16:26	.templateengine
d-----	10-06-2023	17:04	.vscode
d-r---	07-10-2021	15:53	3D Objects
d-----	10-01-2023	20:14	Cisco Packet Tracer 7.3.0
d-r---	01-02-2023	19:31	Contacts
d-----	31-01-2023	23:04	Desktop
d-r---	19-02-2024	14:38	Documents
d-r---	19-02-2024	14:41	Downloads
d-r---	01-02-2023	19:31	Favorites
d-----	06-02-2023	17:33	GERMAN
d-r---	01-02-2023	19:31	Links
d-----	22-08-2023	18:04	Microsoft
d-r---	01-02-2023	19:31	Music
d-----	08-10-2023	15:48	New folder
dar--l	29-04-2023	15:03	OneDrive
dar--l	22-08-2023	17:44	OneDrive - vitap.ac.in

2.**cd**: Change directory.

```
PS C:\Users\tejas> cd downloads
PS C:\Users\tejas\downloads> |
```

3.**cd~**:To go to the home directory:

```
PS C:\Users\tejas\downloads> cd ~
PS C:\Users\tejas>
```

4.**cd ..** : To go one step back:

```
PS C:\Users\tejas> cd downloads
PS C:\Users\tejas\downloads> cd Teja
PS C:\Users\tejas\downloads\Teja> cd ..
PS C:\Users\tejas\downloads>
```

5.pwd: Print working directory.

```
PS C:\Users\tejas\downloads> pwd

Path
----
C:\Users\tejas\downloads
```

6.mkdir: Create a new directory.

```
PS C:\Users\tejas\downloads> mkdir sample

Directory: C:\Users\tejas\downloads


Mode                LastWriteTime         Length Name
----                -
d-----          19-02-2024    17:51             sample
```

7.rmdir: Remove an empty directory

```
PS C:\Users\tejas\downloads> rmdir sample
PS C:\Users\tejas\downloads> ls
```

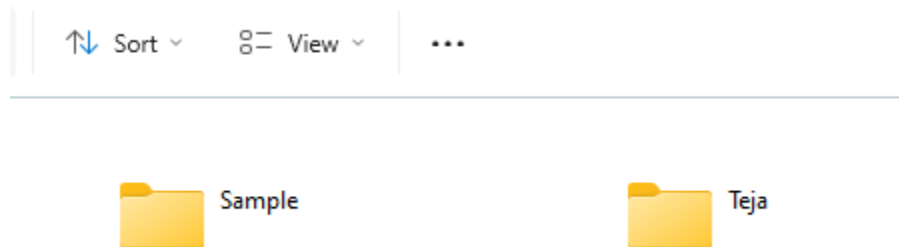
Now check with ls command we can't find directory sample

8.cp: Copy files or directories.

```
PS C:\Users\tejas\downloads> cp Teja Sample
PS C:\Users\tejas\downloads>
```

Teja= Source file

Sample destination file



```
PS C:\Users\tejas\downloads> mv Sample Documents
PS C:\Users\tejas\downloads>
```

7.mv: Move or rename files or directories.

```
PS C:\Users\tejas\downloads> mv Sample Documents
PS C:\Users\tejas\downloads>
```

Sample Source file

Documents destination file

Cp will create duplicates of original but mv rename or move original to another place

9.rm: Remove files or directories.

```
PS C:\Users\tejas\downloads> rm text.txt
PS C:\Users\tejas\downloads> |
```

10.cat: Concatenate and display the content of files.

```
PS C:\Users\tejas> cat sample.txt
PS C:\Users\tejas> |
```

11.ps: Display information about running processes.

```
PS C:\Users\tejas> ps
```

Handles	NPM(K)	PM(K)	WS(K)	CPU(s)	Id	SI	ProcessName
-----	-----	-----	-----	-----	--	--	-----
236	15	3200	14332		3028	0	aesm_service
147	10	2148	8624		8480	0	AggregatorHost
365	21	7456	26240	0.58	3164	9	ApplicationFrameHost
385	27	7480	14184		7344	0	ApplicationWebServer
202	13	2528	11316	0.88	19852	9	AutoModeDetect
302	16	5920	2952	2.25	9884	9	browserhost
242	12	4524	3492	2.09	13680	9	browserhost
294	16	6304	2012	2.92	19508	9	browserhost
279	19	24460	43860	0.25	1240	9	chrome
2239	75	167020	258188	668.13	4660	9	chrome
648	30	175532	127876	945.66	6544	9	chrome
764	49	264292	199920	373.23	6728	9	chrome
288	20	25756	46468	0.41	8948	9	chrome
276	22	44996	50080	2.06	9576	9	chrome
276	22	50164	57388	11.05	10124	9	chrome
252	16	20712	23344	3.63	11104	9	chrome
590	33	232264	249576	268.31	11420	9	chrome
309	21	33692	65392	1.94	12916	9	chrome
262	10	6552	8300	0.23	13500	9	chrome
288	19	25076	46252	1.00	14584	9	chrome
357	25	130820	165704	102.30	15184	9	chrome

12.kill: Terminate a process.

```
PS C:\Users\tejas> kill 23352
PS C:\Users\tejas> |
```

23352 is the process id of Whatsapp Application.

We get the process id of applications with the ps command.

After the execution of this command, the Whatsapp tab will be closed.

13.man: Display the manual for a command.

```
PS C:\Users\tejas> man
```

TOPIC

Windows PowerShell Help System

SHORT DESCRIPTION

Displays help about Windows PowerShell cmdlets and concepts.

LONG DESCRIPTION

Windows PowerShell Help describes Windows PowerShell cmdlets, functions, scripts, and modules, and explains concepts, including the elements of the Windows PowerShell language.

Windows PowerShell does not include help files, but you can read the help topics online, or use the Update-Help cmdlet to download help files to your computer and then use the Get-Help cmdlet to display the help topics at the command line.

You can also use the Update-Help cmdlet to download updated help files as they are released so that your local help content is never obsolete.

Without help files, Get-Help displays auto-generated help for cmdlets, functions, and scripts.

14.wget: Download files from the web.

```
PS C:\Users\tejas> wget https://www.youtube.com/watch?v=YJyXfjbBmc8
```

```
StatusCode      : 200
StatusDescription : OK
Content         : <!DOCTYPE html><html style="font-size: 10px;font-family: Roboto, Arial, sans-serif;" lang="en-GB" da
                  darker-dark-theme-deprecate system-icons typography typography-spacing><head><script...
RawContent      : HTTP/1.1 200 OK
                  X-Content-Type-Options: nosniff
                  Pragma: no-cache
                  X-Frame-Options: SAMEORIGIN
                  Strict-Transport-Security: max-age=31536000
                  Origin-Trial: AvC9ULR6RDk2crLiDsFl66RWLnTbHrDbp+DiY6AYz/PN...
Forms           : {}
Headers         : {[X-Content-Type-Options, nosniff], [Pragma, no-cache], [X-Frame-Options, SAMEORIGIN], [Strict-Trans
                  max-age=31536000]...}
Images          : {}
InputFields     : {@{innerHTML=; innerText=; outerHTML=<INPUT spellcheck=false tabIndex=0 id=search name=search_query
                  autocomplete="off" autocapitalize="none">; outerText=; tagName=INPUT; spellcheck=false; tabIndex=0;
                  name=search_query; hidden=; autocorrect=off; autocomplete=off; autocapitalize=none}}
Links           : {@{innerHTML=<SVG id=yt-logo-updated-svg class=external-icon viewBox="0 0 90 20"><G id=yt-logo-updat
```

15.history: Display a list of previously executed commands.

```
PS C:\Users\tejas> history
```

```
Id CommandLine
```

```
--
```

```
1 sudo
```

```
2 wget https://www.youtube.com/watch?v=YJyXfjbBmc8
```

```
3 df
```

```
4 du
```

16.scp: Securely copy files between hosts.

```
PS C:\Users\tejas> cd downloads
PS C:\Users\tejas\downloads> scp Teja.txt sample
1 file(s) copied.
```

17.echo: Display a message or value in command prompt itself.

```
PS C:\Users\tejas\downloads> echo "Hello, World!"
Hello, World!
```

18.date: Display the current date and time.

```
PS C:\Users\tejas\downloads> date

19 February 2024 19:37:48
```

19.tar: Create or extract tar archives.

```
PS C:\Users\tejas\downloads> tar Teja
tar.exe: Option T requires an argument
Usage:
List:      tar.exe -tf <archive-filename>
Extract:   tar.exe -xf <archive-filename>
Create:    tar.exe -cf <archive-filename> [filenames...]
Help:      tar.exe --help
PS C:\Users\tejas\downloads>
```

20.whoami: Display the current username.

```
PS C:\Users\tejas> whoami  
laptop-ntgcv8cp\tejas  
PS C:\Users\tejas>
```

21.locate: Find the location of a file.

```
PS C:\Users\tejas> hostname  
LAPTOP-NTGCV8CP
```