

Assignment

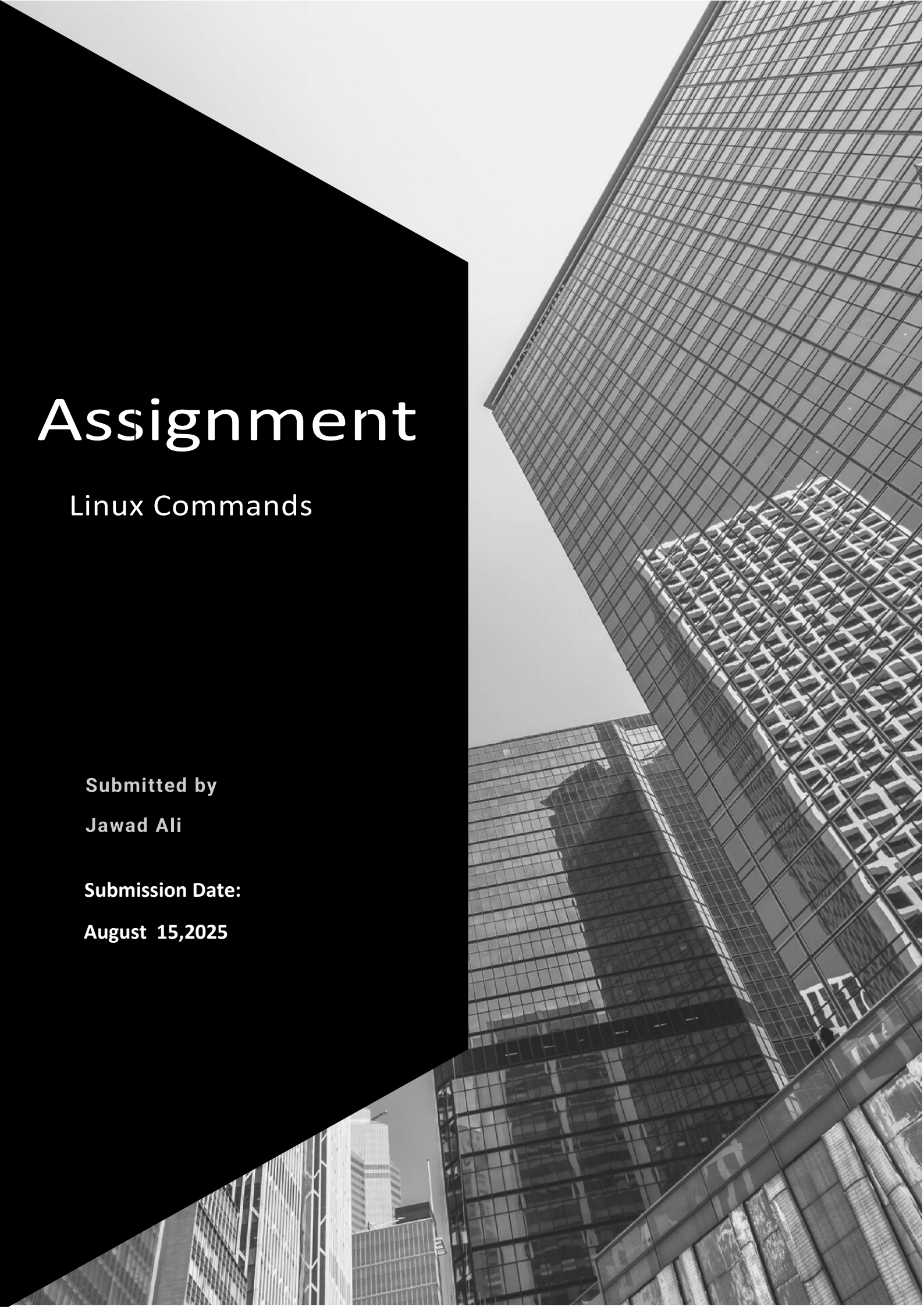
Linux Commands

Submitted by

Jawad Ali

Submission Date:

August 15,2025



Top 20 Linux Commands

1. **ls:**

This command is used to list all the files and directories in our current directory.

```
(kali㉿kali)-[~]  
$ ls  
Desktop      'Jawad Ali.txt'  OfIITbgQ.jpeg  Templates  
Documents    linuxPassword    PhoneSploit-Pro Test  
Downloads    linuxUsers       Pictures        Videos  
eKRXKxZU.jpeg  lpYxRjtH.html   Public          www.certifiedhacker.com_05202025_0846.html  
'Elon Musk.txt' Music            result.html  
env          MxFpEbSw.html   SICkOLxJ.html
```

2. **cd:**

It is used to change the directory.

```
(kali㉿kali)-[~]  
$ cd Desktop/  
  
(kali㉿kali)-[~/Desktop]  
$ █
```

3. **pwd:**

It stands for “Print Working Directory”. It tells us where we are in the filesystem or in which directory we are currently in.

```
(kali㉿kali)-[~/Desktop]  
$ pwd  
/home/kali/Desktop
```

4. **mkdir:**

It is used to make a new directory.

```
(kali㉿kali)-[~/Desktop]  
$ mkdir Assignment
```

Here, I created a directory named “Assignment”.

5. rmdir:

It is used to remove a directory.

```
(kali㉿kali)-[~/Desktop]
$ rmdir Assignment
```

6. cp:

It is used to copy files or directories.

```
(kali㉿kali)-[~/Desktop]
$ cp assignment.txt Documents
```

7. mv:

It is used to move files and directories.

```
(kali㉿kali)-[~/Desktop]
$ mv assignment.txt Assignment/
```

8. touch:

It is used to create an empty file.

```
(kali㉿kali)-[~/Desktop]
$ touch assignment.txt
```

9. find:

It is used for locating files.

```
(kali㉿kali)-[~/Desktop]
$ find Documents
Documents
```

10. locate:

It is also used for locating files. It is faster than “find” command. It used a prebuilt database to find files.

```
(kali㉿kali)-[~/Desktop]
$ locate Documents
/home/kali/Documents
/usr/share/dbus-1/services/org.freedesktop.portal.Documents.service
/usr/share/icons/Flat-Remix-Blue-Dark/apps/scalable/org.gnome.Documents.svg
/usr/share/powershell-empire/empire/server/data/module_source/situational_awareness/host/Find-TrustedDocuments.ps1
```

11. cat:

It is used to concatenate and display file contents.

```
(kali㉿kali)-[~/Desktop]
$ cat Documents
My name is Jawad and I am a cybersecurity student.
```

12. nano:

It is used for editing text files.

```
(kali㉿kali)-[~/Desktop]
$ nano Documents
```

13. ifconfig:

It is used for getting ip information.

```
(kali㉿kali)-[~/Desktop]
$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.72.128 netmask 255.255.255.0 broadcast 192.168.72.255
    inet6 fe80::4da9:aad1:4303:5750 prefixlen 64 scopeid 0x20<link>
    ether 00:0c:29:04:b5:1a txqueuelen 1000 (Ethernet)
    RX packets 309 bytes 19758 (19.2 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 51 bytes 5564 (5.4 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

14. sudo:

It gives us the privileges of a root.

```
(kali㉿kali)-[~/Desktop]
$ sudo su
[sudo] password for kali: █
```

15. ping:

It is used to check whether the host is alive or not.

```

(kali㉿kali)-[~/Desktop]
$ ping google.com
PING google.com (142.250.202.174) 56(84) bytes of data:
64 bytes from lcmcta-ae-in-f14.1e100.net (142.250.202.174): icmp_seq=1 ttl=128 time=37.9 ms
64 bytes from lcmcta-ae-in-f14.1e100.net (142.250.202.174): icmp_seq=2 ttl=128 time=39.6 ms
64 bytes from lcmcta-ae-in-f14.1e100.net (142.250.202.174): icmp_seq=3 ttl=128 time=40.4 ms
64 bytes from lcmcta-ae-in-f14.1e100.net (142.250.202.174): icmp_seq=4 ttl=128 time=39.0 ms
64 bytes from lcmcta-ae-in-f14.1e100.net (142.250.202.174): icmp_seq=5 ttl=128 time=39.3 ms
64 bytes from lcmcta-ae-in-f14.1e100.net (142.250.202.174): icmp_seq=6 ttl=128 time=97.8 ms
64 bytes from lcmcta-ae-in-f14.1e100.net (142.250.202.174): icmp_seq=7 ttl=128 time=40.6 ms
64 bytes from lcmcta-ae-in-f14.1e100.net (142.250.202.174): icmp_seq=8 ttl=128 time=38.4 ms
64 bytes from lcmcta-ae-in-f14.1e100.net (142.250.202.174): icmp_seq=9 ttl=128 time=40.4 ms
64 bytes from lcmcta-ae-in-f14.1e100.net (142.250.202.174): icmp_seq=10 ttl=128 time=39.3 ms
64 bytes from lcmcta-ae-in-f14.1e100.net (142.250.202.174): icmp_seq=11 ttl=128 time=39.3 ms
64 bytes from lcmcta-ae-in-f14.1e100.net (142.250.202.174): icmp_seq=12 ttl=128 time=38.3 ms
64 bytes from lcmcta-ae-in-f14.1e100.net (142.250.202.174): icmp_seq=13 ttl=128 time=40.0 ms
^C
  -- google.com ping statistics --
  13 packets transmitted, 13 received, 0% packet loss, time 12013ms
 rtt min/avg/max/mdev = 37.913/43.863/97.812/15.593 ms

```

16. echo:

It is used to display the desired text.

```

(kali㉿kali)-[~/Desktop]
$ echo Hello
Hello

```

17. service apache2 start:

It is used to start apache server.

```

(kali㉿kali)-[~/Desktop]
$ service apache2 start

```

18. service apache2 stop:

It is used to stop apache server.

```

(kali㉿kali)-[~/Desktop]
$ service apache2 stop

```

19. gitclone:

It is used for cloning or acquiring a tool from GitHub.

```

(kali㉿kali)-[~/Desktop]
$ git clone https://github.com/Dewalt-arch/pimpykali

Cloning into 'pimpykali'...
remote: Enumerating objects: 2840, done.
remote: Counting objects: 100% (490/490), done.
remote: Compressing objects: 100% (149/149), done.
remote: Total 2840 (delta 359), reused 343 (delta 341), pack-reused 2350 (from 3)
Receiving objects: 100% (2840/2840), 579.43 KiB | 1.15 MiB/s, done.
Resolving deltas: 100% (1207/1207), done.

```

20. chmod:

It is used to change the mode of a file.

```
(kali㉿kali)-[~/Desktop]  
$ chmod +x Documents
```

Here, Documents file has been changed into an executable file.