

# Assignment

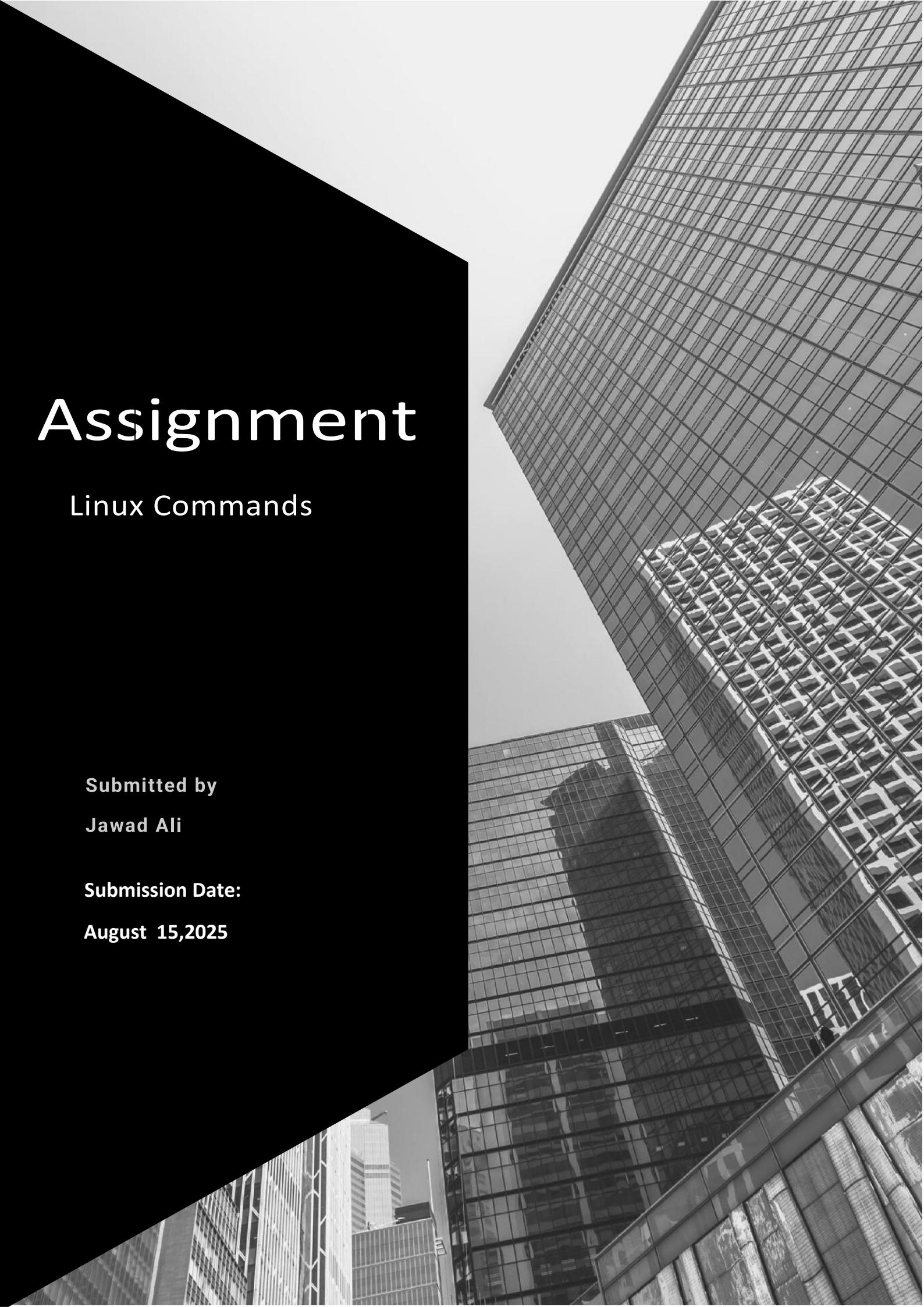
Linux Commands

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# 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    SIcKOLxJ.html
env          MxFpEbSw.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 privelleges 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 (162.250.202.174) 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=40.4 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/pimpmykali

Cloning into 'pimpmykali' ...
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.

[kali㉿kali)-[~/Desktop]
```

## 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.