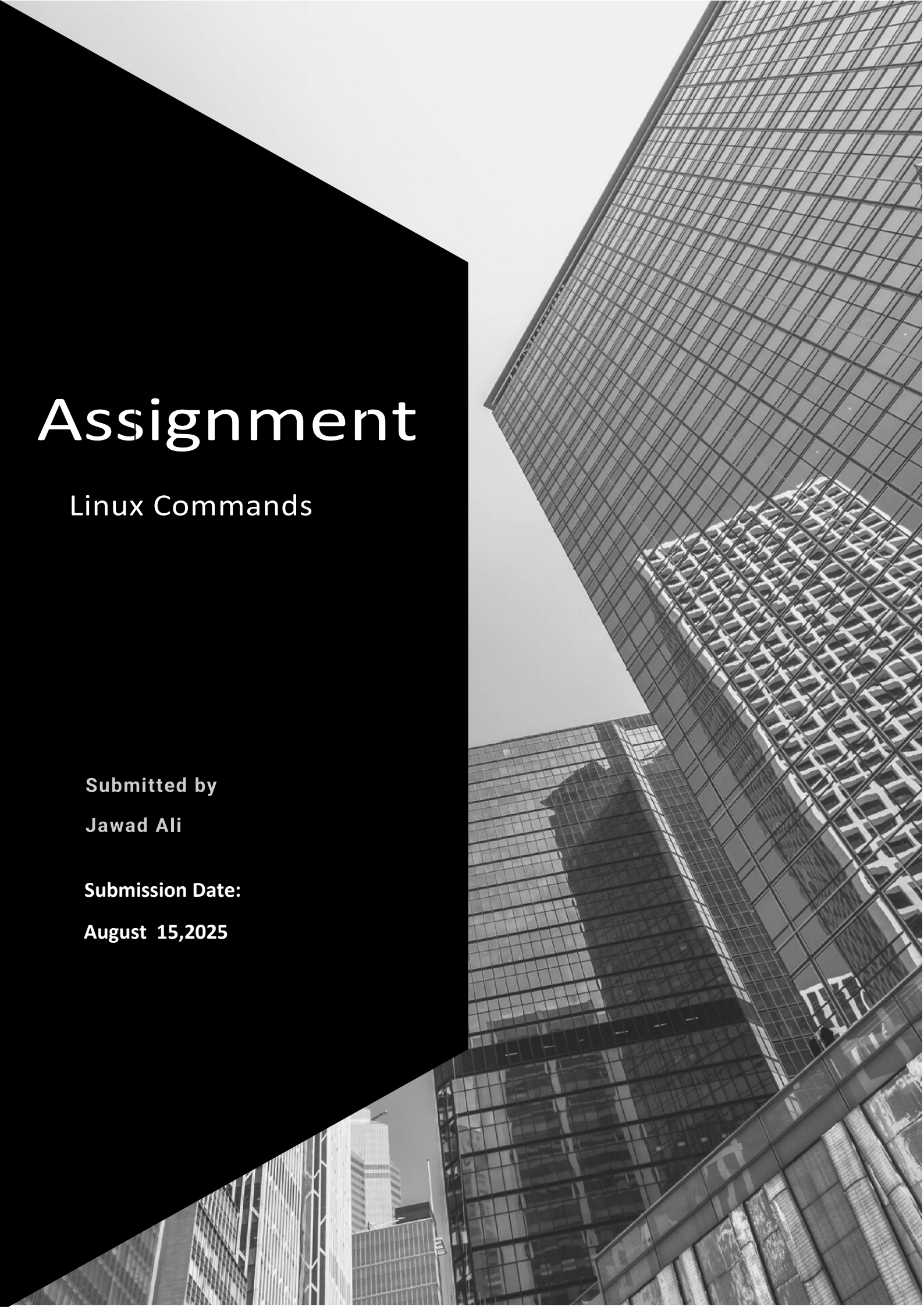# Assignment

## Linux Commands

**Submitted by**

Jawad Ali

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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.



### 2. cd:

It is used to change the directory.



### 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.



### 4. mkdir:

It is used to make a new directory.



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 0×20<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.

### 16. echo:

It is used to display the desired text.



### 17. service apache2 start:

It is used to start apache server.



### 18. service apache2 stop:

It is used to stop apache server.



### 19. gitclone:

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



### 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.