



50 Linux Commands You Should Know



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- `ls` - `list` the files and directories in the current directory

```
ls
```

- `cd` - change the current directory

```
cd dir_name
```

- `mkdir` - create a new directory

```
mkdir rohan
```

- `rmdir` - remove a directory

```
rmdir rohan
```

- `pwd` - print the current working directory

```
pwd
```

- `cp` - copy files or directories

```
#We will copy a file called example.txt from the current directory to a directory called backup  
cp example.txt backup/
```

- `mv` - move or rename files or directories

```
mv example.txt backup/
```

- `rm` - remove files or directories

```
rm example.txt
```

- `touch` - create a new empty file or update the timestamp of an existing file

```
touch shayan.txt
```

- `cat` - concatenate and display files

```
cat example.txt
```

- `man` - manual for a command

```
man ls
```



What's your
next mission?



htop

- chmod - change the permissions of a file or directory

```
# The first digit represents the owner of the file/directory
# The second digit represents the group that the file/directory belongs to
# The third digit represents all other users
# 0 (no permission)
# 1 (execute only)
# 2 (write only)
# 3 (write and execute)
# 4 (read only)
# 5 (read and execute)
# 6 (read and write)
# 7 (read, write, and execute)
```

```
chmod 700 file.txt
```

- chown - change the owner of a file or directory

```
chown new_owner example.txt
```

- tar - create or extract compressed archive files

```
# x: extract files from an archive
# t: list the contents of an archive
# r: append files to an existing archive
# z: use gzip compression
# j: use bzip2 compression
# cf: create file
# xf: extract file
tar cf archive.tar file1 file2 file3
```

- gzip - compress files

```
gzip file.txt
```

- gunzip - decompress compressed files

```
gunzip file.txt.gz
```

- ssh - connect to a remote server securely

```
ssh username@server_address
```

- scp - securely copy files between systems

```
scp myfile.txt user@remotehost:/home/user/
```

- ping - test network connectivity

```
ping 8.8.8.8
```

- ifconfig - display or configure network interfaces

ifconfig

`netstat`

- `route` - view or configure network routing tables

`route [options] [add/delete/show]`

- `top` - display system resource usage and processes

`top`

- `ps` - display information about running processes

`ps aux`

- `kill` - terminate a process

`kill [PID]`

- `systemctl` - control system services and settings

`# Start the nginx service`

`systemctl start nginx`

`# Check the status of the nginx service`

`systemctl status nginx`

`# Stop the nginx service`

`systemctl stop nginx`

- `service` - control system services

`service apache2 start`

- `useradd` - add a new user to the system

`useradd harry`

- `passwd` - change the password for a user

`passwd harry`

- `userdel` - delete a user from the system

`userdel harry`

- `su` - switch user to become another user

`su john`

- `sudo` - execute a command as another user or with elevated privileges

`sudo`

- `uptime` - display system uptime and load average



`df`

- `du` - display disk usage by file or directory

`du`

- `mount` - mount a [file system](#)

```
sudo mount /dev/sdb1 /mnt/usb
```

- `umount` - unmount a [file system](#)

```
sudo umount /mnt/usb
```

- `date` - display or set the system date and time

`date`

- `whoami` - display the current user name

`whoami`

- `which` - locate a program or command in the system path

`ls`

- `finger` - displays all the information about user

```
finger harry
```

- `uname` - display system information

```
uname  
uname -a
```

- `history` - display a [list](#) of previously executed commands

`history`

- `echo` - display text or variables to the console

```
echo 'I need Tshirt from codeswear!'
```

- `tee` - redirect output to both a file and the console

```
$ ls | tee file.txt
```

- `locate` - locate any file on the system

```
locate file.txt
```

- `sort` - sort lines of text in a file or input

```
cat file.txt  
banana
```



```
banana  
orange
```

- `uniq` - remove duplicate lines from a file or input

```
cat file.txt  
apple  
orange  
banana  
apple  
banana  
uniq file.txt  
apple  
orange  
banana
```

- `head/tail` - display the first/last few lines of a file or input

```
#display first 10 lines  
head file.txt
```

```
#display last 10 lines  
tail file.txt
```

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Thanks Bhai

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