

Command

Function

ls

Lists a directory's content

pwd

Shows the current working directory's path

cd

Changes the working directory

mkdir

Creates a new directory

rm

Deletes a file

cp

Copies files and directories, including their content

mv

Moves or renames files and directories

touch

Creates a new empty file

file

Checks a file's type

zip and unzip

Creates and extracts a ZIP archive

tar

Archives files without compression in a TAR format

nano, vi, and jed

Edits a file with a text editor

cat

Lists, combines, and writes a file's content as a standard output

grep

Searches a string within a file

sed

Finds, replaces, or deletes patterns in a file

head

Displays a file's first ten lines

tail

Prints a file's last ten lines

awk

Finds and manipulates patterns in a file

sort

Reorders a file's content

cut

Sections and prints lines from a file

diff	Compares two files' content and their differences
tee	Prints command outputs in Terminal and a file
locate	Finds files in a system's database
find	Outputs a file or folder's location
sudo	Runs a command as a superuser
su	Runs programs in the current shell as another user
chmod	Modifies a file's read, write, and execute permissions
chown	Changes a file, directory, or symbolic link's ownership
useradd and userdel	Creates and removes a user account
df	Displays the system's overall disk space usage
du	Checks a file or directory's storage consumption
top	Displays running processes and the system's resource usage
htop	Works like top but with an interactive user interface
ps	Creates a snapshot of all running processes
uname	Prints information about your machine's kernel, name, and hardware
hostname	Shows your system's hostname
time	Calculates commands' execution time
systemctl	Manages system services
watch	Runs another command continuously
jobs	Displays a shell's running processes with their statuses
kill	Terminates a running process

shutdown	Turns off or restarts the system
ping	Checks the system's network connectivity
wget	Downloads files from a URL
curl	Transmits data between servers using URLs
scp	Securely copies files or directories to another system
rsync	Synchronizes content between directories or machines
ifconfig	Displays the system's network interfaces and their configurations
netstat	Shows the system's network information, like routing and sockets
traceroute	Tracks a packet's hops to its destination
nslookup	Queries a domain's IP address and vice versa
dig	Displays DNS information, including record types
history	Lists previously run commands
man	Shows a command's manual
echo	Prints a message as a standard output
ln	Links files or directories
alias and unalias	Sets and removes an alias for a file or command
cal	Displays a calendar in Terminal
apt-get	Manages Debian-based distros package libraries