File and Directory Management

ls	List files and directories.
cd	Change the current directory.
pwd	Print the working directory.
touch	Create an empty file.
mkdir	Create a new directory.
rm	Remove files or directories.
cp	Copy files or directories.
mv	Move or rename files or directories.

Package Management

apt / apt-get	Package management for Debian-based systems.
yum	Package management for Red Hat-based systems.
dnf	Package management for Fedora and CentOS.
zypper	Package management for openSUSE.

File Compression and Archiving

tar	Archive files.
gzip / gunzip	Compress or decompress files.
zip / unzip	Create or extract zip archives.
bzip2 / bunzip2	Compress or decompress files with bzip2.
xz / unxz	Compress or decompress files with xz.

Process Management

ps	Display currently running processes.
kill	Terminate processes.
top	Monitor system processes in real-time.
ps aux	Show detailed process information.
killall	Terminate processes by name.

File Permissions

chmod	Change file permissions.
chown	Change file owner and group.
umask	Set default file permissions for new files.
chgrp	Change group ownership of a file or directory.
lsattr	List file attributes.

Miscellaneous

date	Display or set the system date and time.
history	View command history.
man	Display the manual pages for commands.
cal	Display a calendar.
who	Show who is logged on.
uptime	Show system uptime.
watch	Execute a command repeatedly and display results.

File Viewing and Editing

cat	Concatenate and display file contents.
more / less	View file contents one page at a time.
nano / vim / emacs	Text editors for file editing.
head	Display the beginning of a file.
tail	Display the end of a file.
wc	Count lines, words, and characters in a file.
sed	Stream editor for text manipulation.

Networking

ping	Check network connectivity to a host.
ifconfig / ip	Network interface configuration.
ssh	Securely connect to a remote machine.
scp	Securely copy files between machines.
netstat	Network statistics and active connections.
nslookup	Query DNS servers for DNS-related information.
curl	Transfer data from or to a server.
wget	Download files from the web.

System Information

uname	Display system information.
df	Disk space usage.
free	Display memory usage.
uptime	Show system uptime.
lsb_release	Display Linux Standard Base (LSB) information.
lscpu	Display CPU information.
lshw	List hardware information.
lsblk	List block devices.

Text Processing

grep	Search for text in files.
sed	Stream editor for text manipulation.
awk	Text processing and pattern matching.
cut	Remove sections from each line of a file.
sort	Sort lines of text files.
tr	Translate characters in a file.
comm	Compare two sorted files line by line.

User Management

useradd / adduser	Create a new user.
passwd	Change user password.
usermod	Modify user account settings.
userdel	Delete a user account.
id	Display user and group information.
groups	Show group membership for a user.