ls: List files and directories in the current directory
cd: Change the current directory **(cd /path/to/directory)**
mkdir: Create a new directory **(mkdir mydir)**
cp: Copy files or directories **(cp file1.txt file2.txt)**
cat: Display the contents of a file **(cat myfile.txt)**
head: Display the first few lines of a file **(head myfile.txt)**
grep: Search for text in files using patterns **(grep "pattern" file.txt)**
ps: List running processes **(ps aux)**
top: Monitor system activity and processes
du: Show directory space usage **(du -sh /path/to/directory)**
gzip: Compress files **(gzip myfile.txt)**
ping: Test network connectivity **(ping google.com)**
ssh: Securely access remote servers **(ssh username@hostname)**
wget: Download files from the internet **(wget https://example.com/file.txt)**
chmod: Change file permissions **(chmod 755 myfile.txt)**
ln: Create links between files **(ln -s sourcefile linkfile)**
date: Display or set the system date and time
clear: Clear the terminal screen
w: Display information about currently logged-in users
su: Switch user or become superuser (root) **(su -)**
useradd: Add a new user account **(useradd newuser)**
groupadd: Add a new user group **(groupadd newgroup)**
passwd: Change user or group passwords **(passwd username)**
shutdown: Shutdown or restart the system **(shutdown -r now)**
service: Control system services (init.d) **(service apache2 start)**
journalctl: View system logs (systemd) **(journalctl -xe)**
du: Show directory space usage **(du -sh /path/to/directory)**
umount: Unmount file systems **(umount /mnt)**
mkfs: Create a filesystem on a device **(mkfs.ext4 /dev/sdb1)**
lsof: List open files and processes **(lsof /path/to/file)**
iptables: Configure firewall rules **(iptables -A INPUT -p tcp --dport 80 -j ACCEPT)**
at: Schedule one-time tasks **(at now + 1 hour)**
tar: Archive and compress files **(tar -cvzf archive.tar.gz /path/to/directory)**
ssh-keygen: Generate SSH key pairs for secure authentication **(ssh-keygen -t rsa)**
scp: Securely copy files between hosts **(scp myfile.txt username@hostname:/path)**
sed: Stream editor for text manipulation and processing **(sed 's/old/new/g' file.txt)**
grep/egrep: Search text using regular expressions **(grep "pattern" file.txt)**
cut: Remove sections from lines of files **(cut -d':' -f1 /etc/passwd)**
tee: Redirect output to multiple files and display it **(command | tee output.txt)**
patch: Apply changes from a patch file to a file **(patch -i mypatch.diff)**
usermod: Modify user account settings **(usermod -aG groupname username)**
adduser: Create a new user with default settings **(adduser newuser)**
chown: Change file ownership **(chown user:group myfile.txt)**

pwd: Print the current working directory
touch: Create an empty file **(touch myfile.txt)**
rm: Remove files or directories **(rm myfile.txt)**
mv: Move or rename files or directories **(mv file1.txt newfile.txt)**
less: View a file one page at a time **(less myfile.txt)**
tail: Display the last few lines of a file **(tail myfile.txt)**
find: Search for files and directories **(find /path/to/search -name "file.txt")**
kill: Terminate processes **(kill -9 PID)**
df: Display disk space usage **(df -h)**
tar: Archive and compress files **(tar -cvzf archive.tar.gz /path/to/directory)**
gunzip: Decompress gzip files **(gunzip myfile.txt.gz)**
ifconfig: Configure network interfaces **(ifconfig)**
scp: Securely copy files between hosts **(scp myfile.txt username@hostname:/path)**
curl: Transfer data from or to a server **(curl -O https://example.com/file.txt)**
chown: Change file ownership **(chown user:group myfile.txt)**
journalctl: View system logs (systemd) **(journalctl -xe)**
cal: Display a calendar
who: Show who is logged on **(who)**
passwd: Change a user's password **(passwd username)**
sudo: Execute a command as another user, typically with elevated privileges
userdel: Delete a user account **(userdel username)**
groupdel: Delete a user group **(groupdel groupname)**
hostname: Show or set the system's host name
reboot: Reboot the system
systemctl: Control system services (systemd) **(systemctl start service-name)**
df: Display disk space usage **(df -h)**
mount: Mount file systems and devices **(mount /dev/sdb1 /mnt)**
fdisk: Manipulate disk partitions **(fdisk /dev/sda)**
fsck: Check and repair filesystems **(fsck /dev/sda1)**
netstat: Display network connections and routing tables **(netstat -tuln)**
crontab: Schedule and manage cron jobs **(crontab -e)**
sort: Sort lines of text files **(sort file.txt)**
zip/unzip: Create and extract ZIP archives **(zip -r archive.zip /path/to/directory)**
dd: Copy and convert files and create disk images **(dd if=/dev/sda of=backup.img)**
curl/wget: Transfer data from or to a server **(curl -O https://example.com/file.txt)**
history: Display command history **(history)**
uniq: Remove duplicate lines from a sorted file **(sort file.txt | uniq)**
paste: Merge lines from multiple files **(paste file1.txt file2.txt)**
diff: Compare and display differences between files **(diff file1.txt file2.txt)**
quota: Manage disk usage quotas for users and groups **(quota -u username)**
passwd: Change user or group passwords **(passwd username)**
chmod: Change file permissions **(chmod 755 myfile.txt)**
mkfifo: Create named pipes (FIFOs) for inter-process communication **(mkfifo mypipe)**

sshfs: Mount a remote directory over SSH **(sshfs username@hostname:/remote/path /local/mount/point)**
mount.cifs: Mount remote Windows shares (CIFS/SMB) **(mount.cifs //server/share /mnt/mountpoint -o user=username)**
chroot: Change the root directory for a command or shell **(chroot /newroot /bin/bash)**