

# Linux + Docker Mini Cheat Sheet

## File & Directory Management

ls	List files and directories
cd	Change directory
pwd	Print current working directory
mkdir	Create a new directory
rmdir	Remove an empty directory
rm	Remove files or directories
cp	Copy files or directories
mv	Move or rename files/directories
touch	Create an empty file
cat	View file contents
nano / vim	Command-line text editors
tree	Show directory structure (may need install)

## File Viewing & Searching

less	Scroll through file content
head	View first 10 lines of a file
tail	View last 10 lines (use -f to follow logs)
grep	Search text in files
find	Find files by name/type

## Permissions & Ownership

chmod	Change file permissions
chown	Change file ownership
ls -l	View permissions in detail

## System Monitoring & Management

top	Real-time process viewer
htop	Improved top (needs install)
ps	List processes
kill	Kill process by PID
df -h	Disk usage (human-readable)

du -sh folder	Folder size
free -h	Memory usage
uptime	System uptime

## Networking

ifconfig / ip a	Show network interfaces
ping	Check network connectivity
curl	Fetch URL content
wget	Download files from the web
ss -tuln	Show open network ports

## Package Management (Debian/Ubuntu)

sudo apt update	Update package list
sudo apt upgrade	Upgrade packages
sudo apt install	Install package
sudo apt remove	Remove package

## User Management

whoami	Current user
id	Show UID and groups
adduser	Add new user
passwd	Change password
su - user	Switch user
sudo	Run command as superuser

## Docker Essentials

which docker	Check Docker installation
docker --version	Docker version
systemctl start docker	Start Docker service
sudo usermod -aG docker \$USER	Add user to docker group

## Miscellaneous

history	Command history
clear	Clear terminal screen
alias ll='ls -la'	Create command shortcut
man command	Help for a command