

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