

Category	Command	Description
File & Directory Management	pwd	Show current directory
	ls -ltra	List files (details, hidden, sorted by time)
	cd <dir>	Change directory
	mkdir <dir>	Create directory
	rm -rf <dir>	Remove directory/files
	cp file1 file2	Copy files
	mv file1 file2	Move/rename files
	touch file.txt	Create empty file
	nano / vi file.txt	Edit file
	cat file.txt	Show file contents
	less file.txt	View large files
	head -n 10 file.txt	First 10 lines
	tail -f logfile.log	Live log updates
User & Permissions	whoami	Current user
	id	See user ID and groups
	chmod 755 file.sh	Change permissions
	chown user:group file.sh	Change ownership
	sudo <command>	Run as root
Process Management	ps aux	List processes
	top / htop	Monitor processes live
	kill -9 <PID>	Force kill process
	jobs / fg / bg	Manage background jobs
	systemctl status nginx	Check service status
	systemctl restart nginx	Restart a service
Networking	ifconfig / hostname -I	Check IP
	ping google.com	Test connectivity
	curl http://example.com	Make HTTP requests
	wget http://file.com/file.zip	Download file
	ss -ltnp / netstat -tulnp	Check open ports
	scp file.txt user@server:/path/	Copy file to server
	ssh user@IP	Connect to remote server
Disk & Memory	df -h	Disk usage by mount point
	du -sh <dir>	Folder size
	free -h	Memory usage
	uptime	System uptime & load
	dmesg tail	Last kernel/system logs
Package Management	sudo apt update	Update package list
	sudo apt upgrade -y	Upgrade packages
	sudo apt install <pkg>	Install package
	sudo apt remove <pkg>	Uninstall package
Logs & Monitoring	journalctl -u nginx	Logs for nginx service
	tail -f /var/log/syslog	Live system logs
	dmesg	Kernel logs
	watch -n 2 df -h	Run command repeatedly

Archiving & Compression	tar -czvf archive.tar.gz folder/	Compress
	tar -xzvf archive.tar.gz	Extract
	zip -r archive.zip folder/	Zip
	unzip archive.zip	Unzip
Search & Filters	grep "error" logfile.log	Search text
	grep -i "error" logfile.log	Case-insensitive search
	grep -r "keyword" /var/log/	Recursive search
	find / -name "file.txt"	Find files by name
	sort file.txt	Sort lines
	uniq file.txt	Remove duplicates
	wc -l file.txt	Count lines
	cut -d":" -f1 file.txt	Cut by delimiter
	awk '{print \$1, \$2}' file.txt	Column extraction
DevOps Daily Usage	sed 's/old/new/g' file.txt	Replace text
	git clone <repo>	Clone repository
	git pull / git push	Update code
	docker ps	Running containers
	docker logs -f <container>	Follow container logs
	docker exec -it <container> bash	Shell inside container
	kubectl get pods	List pods (Kubernetes)
	kubectl logs -f <pod>	Follow logs in Kubernetes
	kubectl describe pod <pod>	Debug pod