Linux Commands Cheat Sheet (With Easy Explanations)

File and Directory Commands

ls - List files and folders

ls -a - List all files including hidden

cd folder - Change directory to 'folder'

pwd - Print current directory path

mkdir name - Create a new folder named 'name'

rmdir name - Remove an empty folder

rm -r folder - Delete folder and its contents

touch file.txt - Create a new empty file

cp source dest - Copy file from source to dest

mv source dest - Move or rename file

rm file.txt - Delete file

File Viewing and Editing

cat file.txt - View file content

nano file.txt - Edit file using nano editor

vi file.txt - Edit file using vi editor

head file.txt - View first 10 lines of a file

tail file.txt - View last 10 lines of a file

System Info

uname -a - Show system info

top - Show running processes

htop - Advanced process viewer

df -h - Show disk usage

free -h - Show RAM usage

Permissions and Ownership

chmod +x file - Make file executable

chown user file - Change file owner to user

Package Management (Debian/Ubuntu)

sudo apt update - Update software list

sudo apt install pkg - Install package

sudo apt remove pkg - Remove package

Networking

ping address - Check network connection

ip a - Show IP address

curl url - Fetch data from a URL

wget url - Download file from URL

Other Useful Commands

history - Show command history

clear - Clear terminal screen

exit - Exit terminal

echo message - Print message

man command - Manual/help for command

Git (Version Control)

git init - Start a new Git repository

git add file - Stage file for commit

git commit -m 'msg' - Commit with message

git status - Show current Git status

git push origin main - Push code to GitHub