Complete Terminal Command Guide

Beginner   Advanced | Clean Notes for Git Bash, Linux & macOS

1. Basic Navigation Commands

- pwd — Show current working directory
- ls — List files and folders
- ls - l — Detailed list view
- ls - a — Show hidden files
- cd foldername — Change directory
- cd .. — Move back one folder
- cd ~ — Go to home directory

2. File & Folder Management

- mkdir foldername — Create a new folder
- touch filename.txt — Create a new file
- cp source destination — Copy files
- mv oldname newname — Move or rename
- rm filename — Delete a file
- rm - r foldername — Delete a folder

3. Viewing File Content

- cat filename.txt — Display full content
- less filename.txt — View page by page
- head filename.txt — Show first lines
- tail filename.txt — Show last lines

4. Search Commands

- grep "word" filename.txt — Search inside a file
- find . - name "filename" — Search file in directory

5. System Information

- whoami — Current logged- in user
- date — Current date and time
- df - h — Disk space usage
- free - h — Memory usage

6. Process Management

- ps — Show running processes
- top — Real- time process monitor
- kill — Stop a running process

7. Networking Basics

- ping google.com — Check internet connection
- curl - O — Download a file
- ip addr — Show IP address

8. Beginner Workflow Example

- pwd   Check current location
- ls   View available files
- cd Desktop   Go to Desktop
- mkdir project   Create project folder
- cd project   Enter project
- touch app.py   Create Python file