

Terminal Commands for Web Development

This guide outlines fundamental terminal commands and shortcuts, primarily focused on file management, code inspection, and web development workflow.

1. File and Directory Navigation

These commands are essential for moving around your project structure and handling files.

Command	Purpose	Details & Examples
<code>pwd</code>	Print Working Directory.	Displays the absolute path of your current location.
<code>ls</code>	List directory contents.	Shows all files and folders in the current directory. Use <code>ls -la</code> to include hidden files (e.g., <code>.env</code> , <code>.gitignore</code>).
<code>cd [folder]</code>	Change Directory.	Navigates to a specific folder. Use <code>cd ..</code> to move up one directory level.
<code>mkdir [name]</code>	Make Directory.	Creates a new folder.
<code>touch [filename]</code>	Create new file.	Creates a new, empty file, e.g., <code>touch index.html</code> .
<code>cp / mv</code>	Copy or Move/rename.	Used to duplicate or relocate files and folders.
<code>rm [file]</code>	Remove.	Deletes a file. Use with caution : <code>rm -rf [folder]</code> permanently deletes a folder and its contents (no trash/recycle bin).

2. Development Utilities & Inspection

Commands for inspecting code, troubleshooting, and managing system behavior from the command line.

Command	Purpose	Details
<code>cat [file]</code>	Concatenate/display file.	Outputs the entire content of a file directly to the terminal.

<code>grep "[term]" [file]</code>	Global Regular Expression Print.	Searches for a specific string of text within a file or stream.
<code>curl [url]</code>	Client for URLs.	Sends a request to a URL. Useful for testing APIs or downloading files.
<code>chmod</code>	Change mode.	Alters file permissions, often used to make scripts executable.
<code>history</code>	Command history.	Displays a list of all previously executed commands.

3. Essential Web Development Ecosystem Tools

While not part of the base terminal, these tools are indispensable for modern web development.

Tool	Purpose	Key Commands
<code>git</code>	Version control system.	<code>git status</code> , <code>git add .</code> , <code>git commit</code>
<code>npm / yarn</code>	Package managers for Node.js.	Used to install dependencies (<code>npm install</code>) and run defined scripts (<code>npm start</code>).
<code>ssh</code>	Secure Shell.	Securely connects to and manages a remote server (e.g., for deployment).

4. Key Terminal Shortcuts & Help

Save time and manage your terminal session efficiently with these built-in shortcuts and help commands.

Action/Shortcut	Purpose	Details
<code>Tab</code>	Auto-complete.	Automatically completes file names, folder names, or commands.
<code>Up/Down Arrows</code>	Command History.	Cycles through your previously executed commands.
<code>Ctrl + C</code>	Stop Process.	Immediately terminates a running process (e.g., a local development server).

Ctrl + L or clear	Clear Screen.	Clears all previous output from the terminal display.
Ctrl + A	Move cursor to beginning of the line.	
Ctrl + E	Move cursor to the end of the line.	
Ctrl + R	Search History.	Searches interactively through your command history.
[command] --help	Quick Help.	Provides a concise summary of command usage and available options.
man [command]	Manual Pages (Linux/Mac).	Opens detailed documentation for a command (press q to quit).
help [command]	Built-in Shell Help.	Displays information about specific shell built-in commands.