### Tailwind CSS v4 Installation & Setup using CLI

Tailwind CSS v4 is the latest version that comes with powerful utilities and enhanced performance.



Make sure you have the following installed:

- Node.js (v18 or higher recommended)
- npm (comes with Node.js)
- 2 1. Method 1: Using Tailwind CLI (Recommended for Quick Start / Prototyping)
- 🔧 Step-by-Step Setup
- 1. Create Your Project Folder

mkdir my-tailwind-project

cd my-tailwind-project

npm init -y

2. Install Tailwind CSS CLI

npm install -D tailwindcss

npx tailwindcss init

This creates tailwind.config.js.

**3. Create File Structure** 

touch src/input.css index.html

4. Configure input.css

/\* src/input.css \*/

@tailwind base;

@tailwind components;

@tailwind utilities;

🍣 5. Configure tailwind.config.js (optional paths)

```
/** @type {import('tailwindcss').Config} */
module.exports = {
content: ["./index.html"],
theme: {
extend: {},
},
plugins: [],
6. Run Tailwind CLI Build Process
npx tailwindcss -i ./src/input.css -o ./dist/output.css --watch
7. Use Tailwind in index.html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Tailwind 4 CLI</title>
<link href="dist/output.css" rel="stylesheet">
</head>
<body class="bg-gray-100 text-center p-10">
<h1 class="text-3xl font-bold text-blue-600">Tailwind 4 CLI Setup Works!</h1>
</body>
</html>
```

# Use this **only** for demo/testing. You won't get purging or custom configs. <!DOCTYPE html> <html lang="en"> <head> <script src="https://cdn.tailwindcss.com"></script> <title>Tailwind 4 CDN</title> </head> <body class="bg-emerald-100 p-10"> <h1 class="text-2xl text-emerald-700">Hello from Tailwind 4 CDN!</h1> </body> </html> You can also customize using: <script> tailwind.config = { theme: { extend: { colors: { skyblue: '#38bdf8',

</script>

2. Method 2: Using Tailwind Play CDN (For Quick Demos, No Build Step)



#### 4. Build CSS

## npx postcss src/input.css -o dist/output.css --watch

4. Method 4: Install via Frameworks (Vite, Next.js, etc.)

Example: Vite

npm create vite@latest my-app

cd my-app

npm install

npm install -D tailwindcss postcss autoprefixer

npx tailwindcss init -p

• Configure tailwind.config.js with:

content: ["./index.html", "./src/\*\*/\*.{js,ts,jsx,tsx}"]

@tailwind base;

@tailwind components;

@tailwind utilities;

• Import index.css in main.jsx.

Run:

npm run dev

# **?** Interview Question Highlights

Question	Answer
What is Tailwind CLI?	It's a standalone tool to build and compile Tailwind CSS without additional build tools.
Can I use Tailwind without a build process?	Yes, using CDN, but it's not recommended for production.
What is the benefit of the CLI method?	Simplicity, no need for complex setup like Webpack or PostCSS.
Tailwind v4 new features?	Includes color palette updates, faster compiler, better plugin support, and support for CSS nesting.