### 🧠 ****Day 6 – Tailwind CSS Intro****

**What you’ll learn today:**

| **Topic** | **Summary** |
| --- | --- |
| 🔧 Tailwind Setup | How to add Tailwind to a React app (Vite or CRA) |
| ⚙️ Utility-first CSS | Styling using classes like bg-blue-500, flex, p-4, etc. |
| 🧩 Reusable Components | How Tailwind makes component styling fast & scalable |
| 🧱 Layouts & Responsive | Basic responsive layout using Flexbox/Grid with Tailwind |
| 🎨 Custom Styling | Color palettes, font sizing, spacing in Tailwind way |

### ✅ Step-by-Step Plan for Day 6

#### 🏁 Step 1: Create a Fresh Vite + React App

bash

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npm create vite@latest tailwind-react -- --template react

cd tailwind-react

npm install

#### 📦 Step 2: Install Tailwind CSS

bash

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npm install -D tailwindcss postcss autoprefixer

npx tailwindcss init -p

#### 🛠 Step 3: Configure tailwind.config.js

Make sure it looks like this:

js

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/\*\* @type {import('tailwindcss').Config} \*/

export default {

content: [

"./index.html",

"./src/\*\*/\*.{js,ts,jsx,tsx}",

],

theme: {

extend: {},

},

plugins: [],

};

#### 🎨 Step 4: Add Tailwind to index.css

Inside src/index.css, remove all and add:

css

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@tailwind base;

@tailwind components;

@tailwind utilities;

#### ✅ Step 5: Use Tailwind in App.jsx

Replace the content of App.jsx:

jsx

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function App() {

return (

<div className="min-h-screen bg-gradient-to-br from-indigo-500 to-purple-700 flex items-center justify-center text-white">

<div className="bg-white text-gray-800 p-10 rounded-xl shadow-xl">

<h1 className="text-4xl font-bold mb-4">Hello, Tailwind! 👋</h1>

<p className="text-lg">You just built your first Tailwind styled React app.</p>

</div>

</div>

);

}

export default App;

Run:

bash

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npm run dev

You should see a nice card UI with a gradient background!

### 🔥 Bonus Practice Ideas (Mini Tasks)

1. Create a **Navbar** using Tailwind classes.
2. Build a **2-column layout** with flex or grid.
3. Style a **Login form** using bg-gray-100, rounded, focus:ring, etc.

### 🏁 Once done, you’ll be ready for:

* Building beautiful UIs without writing a single line of raw CSS
* Using Tailwind inside **components** and **layouts**
* Designing faster with **mobile-first responsiveness**