Day 23 – React App Setup with Vite, Tailwind CSS, and Material UI

Step 1: Create React App with Vite

1. Run the first command to create a new React project using Vite:

```
npx npm create vite@latest
```

2. Enter your project name (choose any name you want).
3. Select Framework: **React**
4. Select Variant: **JavaScript**
5. Enable rolling down Vite: **No** (experimental no)
6. Install dependencies with npm: **Yes**
7. Start the project now: **Yes**

Step 2: Open and Run Your New Project

1. Change directory into your new project:

```
cd your-project-name
```

2. Run the development server:

```
npm run dev
```

Your app is running successfully.

Step 3: Install Tailwind CSS

Run this command:

```
npm install tailwindcss @tailwindcss/vite
```

After installation, you will see `vite.config.js` inside your project.

Update vite.config.js

Add this import at the top:

```
import tailwindcss from "@tailwindcss/vite";
```

Add plugins function like this:

```
plugins: [tailwindcss()]
```

Update index.css

Delete all existing default CSS and write this only:

```
@import "@tailwindcss/vite";
```

Run your app again:

```
npm run dev
```

Tailwind CSS is now working. You can test by adding a class like:

```
text-[50px]
```

You will see the font size change.

Step 4: Install Material UI

You can also visit their official documentation (link provided for reference only): **Material UI Docs**

First installation command:

```
npm install @mui/material @emotion/react @emotion/styled @mui/icons-material
```

Before installing Material UI make sure React and React DOM are installed:

```
npm i react
npm i react-dom
```

Additional required package for latest React support:

```
npm install react-is@19.2.0
```

If MUI does not install properly, rerun the main MUI install command above.

Material UI is now installed successfully.

Step 5: Styling and Component Work

Now styling and UI work is your job. Use Tailwind classes for custom design and MUI components for powerful UI elements.

Separate each component and style neatly to maintain clean code.

✅Day 23 Complete: Vite + React + Tailwind CSS + Material UI setup successful!