

Installation of React JS

Day - 7

- Use command :

`npx create-react-app myapp.`

- It creates a project folder with files.

- Navigate to folder :

`cd my-app.`

- Run app :

`npm start`

- Opens at :

`http://localhost:3000.`

Introduction of Node JS and NPM.

- Node JS allows JS to run outside browser.
- NPM = Node Package Manager
- React installs using npm.
- Download both from: <https://nodejs.org>
- Check versions:

`node -v,`

`npm -v`

VS Code Editor Setup

- Download from : <https://code.visualstudio.com>
- Lightweight and React-friendly editor
- 🛡 Useful Extensions:
 - ES7 + Redux Snippets
 - Prettier
 - React Developer Tool (browser)

first React App

- Use `npx create-react-app my-app`
- Main file : `src/App.js`
- Entry HTML : `public/index.html`
- React mounts at : `src/index.js`
- Edit `App.js` and Save to see changes.

Developer Tools Extensions

- Install React Developer Tools (chrome)
- Inspect Component tree
- View props , state, re-renders
- Tab appears as : 'Components' in DevTools.
- Helps in debugging your app easily.

Summary :

- NodeJS : Run JS outside browser.
- NPM : Manages packages like React
- VSCode : Smart and fast editor
- npx create-react-app : Easy Setup.
- npm start : Run your app.
- Dev Tools : Debug Components.