

What is React?

ReactJS is a popular JavaScript library

It is used for building user interfaces for web applications.

It was developed and maintained by Facebook

It is great for SPA which load once and later everything happens thru JavaScript without reloading the page.

React was release on 29th May 2013.

Similar products available in market are Angular and Veujjs.

Installing React 18.0

Download and Install Node Js

Node --version

Npm --version (node package manager)

React Developer Tools -- chrome extension

Npx create-react-app appname (if nodem error try **npm install -g npm**)

Npm start --- to run the app

Vscode extention vscode es7 react/reduc/react-native/js snippets

React JSX (JavaScriptXML)

- JSX allows us to write HTML elements in JavaScript and place them in the DOM
- export default function App() {
 return (<h1>Hello World</h1>);
}

.....

Tags must be closed

JS vs React App Function

- function App(){
- let str=`<h1>Hello World</h1>`
- return str
- }
- root.innerHTML = App()
-
- function App(){
- return (<h1>Hello World</h1>)
- }
- root.render(<App/>)

React Components (jsx)

- export default function Header() {
 return <h1>Company Name</h1>;
}
- export default function Content() {
 return <h1>Display content here</h1>;
}
- export default function Footer() {
 return <h1>Footer Section</h1>;
}