

## Module : 9 ReactJS Intro

### • What is React JS?

⇒ React.js is an open-source JavaScript library, crafted with precision by Facebook, that aims to simplify the intricate process of building interactive user interfaces.

### • What is NPM in React JS?

⇒ The command `npm` is used to download JavaScript packages from Node Package Manager, and `npm` is used to execute JavaScript packages downloaded this way. This command will download the NPM Package `create-react-app` to subdirectory of the current working directory.

### • What is Role of Node Js in react Js?

⇒ ~~React~~ React renders UI components on the frontend, while Node.js manages server-side data communication. The synergy between React & Node.js creates a cohesive & responsive web application.

### • What is CLI command in React JS?

⇒ CLI commands are currently only used to create a possible version of a react application using the command line.

### • What is components in React JS?

⇒ Components are independent & Reusable bits of code. They serve the same purpose as JS functions, but work in isolation & Return HTML. Components come in two types, class



Components & Function components, in this tutorial we will concentrate on function components.

- What is Header & content Components in React Js?

⇒ A header is a section at the top of page that displays site name & navigation. Components are independent & Reusable bits of code. They serve the same purpose as JavaScript functions, but work in isolation & return HTML. Components, come in two types, class components & function components, in this tutorial we will concentrate on function components.

- How to install React Js on windows, Linux Operating system? How to install NPM & How to check version of NPM?

⇒ To install React on Windows

1. Install Node.js & NPM
2. Install Create React App.
3. Create a New React Project.
4. Go to the project Directory & start the Development server.

⇒ To install & start NPM.

Install node.js & npm on windows via Node.js Installer.

1. Download node.js installer.
2. Install node.js & npm.
3. verify Installation.



⇒ to check the version of npm installed npm Package is by using the "npm list" command.

• How to check version of React Js?

⇒ 1. you can check React Js version directly by visiting the JSAN file.

2. Another simple method to check React latest version is by navigating to the node - modules / react / js / react.

• How to change in Components Of React Js?

⇒ `setState()` `setstate()` enqueues changes to the component state & tell React that this component & its children need to re-rendered with the updated state. This is the primary method you use to update the user interface in response to event handlers & server responses.

Just