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### 1. What is React js?

- React components are Javascript Functions. React makes it painless to create interactive UIs. Design simple views for each state in your application and React will efficiently update and render.
- React is the library for web and native user interfaces. Build user interfaces out of individual pieces called components written in javascript.
- React is a javascript - based UI development library. Although React is a library rather than a language, it is widely used in web development.

### 2. What is NPM in React js?

- NPM, the Node Package manager is used for managing and sharing the packages for either React or Angular. NPM will be installed along with Node.js. Node.js can be downloaded and installed from the official Node.js website. Npm is an abbreviation used for the Node Package Manager. It is a package manager for Javascript. It is the default package manager that comes with Node.js when you install it. The name npm stems from when npm first was created as a package manager for Node.js. All npm packages are defined in files called package.



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 3. What is Role of Node Js in react js?

→ Node Js is a Framework of Javascript which is mainly used for working with the backed of our application or building the backend using javascript.

React js is a javascript Front-end library. it is mainly used for building the user interface or the Frontend of our application.

4. What is components in React js?

→ Components are independent and reusable bits of code. They serve the same purpose as javascript Functions, but work in isolation and return HTML. Components come in two types, class components and Function components, in this tutorial we will concentrate on Function components.

Components js is a dependency injection Framework for javascript applications. Object-oriented applications are typically composed of hard-wired component.

Components can refer to other components in their output. A component is considered as the core building blocks of a React application.

5. What is CLI command in React js?

→ React has its own command-line interface commands. However, these CLI commands are currently only used to create a runnable version of a react application using the command line.

CLI makes it easy to create an App, page, module and component that follows the best practices and structure defined by you and your team.



CLI is a command line program that accepts text input to execute operating system functions. create-react-app is a command that is used to create a React js project with the default configuration. create-react-app.

6. create increment decrement state change by button click?

→ Increment Decrement counter in React hooks.

When you click the plus button, it will increase the input value by 1.

Increment We change our state clicks by adding. display initial counts as 0 on your page load. Display Button to increment the count. Increment count by 1 on button click, display the updated count on the screen.



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### Lists and Hooks

→ Explain life cycle in class component and functional component with Hooks.

→ A React component undergoes three phases in its lifecycle. mounting, updating and unmounting in a class-based component, you can call React lifecycle method explained. Mounting lifecycle methods, that is inserting elements into the DOM

→ Hooks allow function components to access to state and other React features. Because of this, class components are generally no longer needed. Although Hooks generally replace class components, there are no plans to remove classes from react.

→ There are three categories of lifecycle methods. mounting, updating and unmounting. A component mounts when it renders for the first time. This is when mounting lifecycle methods get called. The first time that a component instance renders, it does not update.

→ Hooks are functions that let you "hook into" React state and lifecycle features from function components. Hooks don't work inside classes they let you use React without classes. We don't react.