

TOP REACT JS INTERVIEW QUESTIONS

Q1: What is your thought about React JS?

React JS is one of the popular JavaScript libraries developed and advocated by Facebook. It uses an innovative approach of components and virtual DOM for greater performance in web app development.

Q2: How does Redux complement the React JS library?

Redux is used as a major complementary element in React JS development as a predictable state container for JavaScript-powered apps.

Q3: Why to choose React JS over other JavaScript libraries?

React JS offers numerous features that many other libraries don't support. It has a large community for support and also great in terms of performance and code maintenance.

Q4: What is the core philosophy of the React JS library?

The core philosophy of the React JS library is that everything is a modular component, which is very useful and effective in building dynamic user interfaces UIs.

Q5: What are the top 5 features of the React JS library?

Component-bases, modular, virtual DOM, one-way data binding, JSX syntax.

Q6: What is virtual DOM?

The virtual representation of any user interface is maintained in the active memory and always kept in sync with the real DOM. This condition of maintaining an additional copy of UI is known as virtual DOM.

Q7: Why virtual DOM is important in React JS development?

Because it improves performance by saving processing time of updating the UI.

Q8: How an event is created in React JS?

First create a form with a button and input. Input is used for triggering events. The creation of an event involves a syntax, which detects the input changes and triggers the event.

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Q9: Can all browsers spell out JSX code?

No JSX is a syntax that no browser can understand. A compiler is required in JSX to run the components in browsers.

Q10: What is an element in React JS created in?

An element is created in JavaScript XML syntax, which is translated by a compiler in the React JS library.

Q11: Does an element created in ReactJS require any translator?

Yes. Any element in the React JS library is created in JSX, which needs a translator to convert it into HTML. A browser can run HTML code.

Q12: Can two or more components in React JS be embedded into one?

You can embed more than one component in a single component and then render that component to the DOM. This reduces extra DOM nodes.

Q13: What is the most salient feature of the Redux library?

The most salient feature of Redux library in terms of its use with the React JS library is its powerful and predictable application state management. By using this feature the state of application is managed efficiently in the React JS-based app development.

Q14: What are the major differences between Redux and Flux?

The major differences between Redux and Flux include: Redux is library while Flux is an architecture not a library Flux store state is mutable while Redux is immutable The core concept of Redux is based on reducer while the Flux has the core concept of dispatcher. Flux uses multiple stores and Redux uses single store

Q15: How would you describe the Flux?

Flux is a web application development architecture for creating highly responsive, and interactive applications. It is used by Facebook. The Flux handles complex data and its flow in the web application on the client-end of the application. It is very efficient architecture for handling very complex data within the domain of the client-side of the application.

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Q17: How does modularization work in ReactJS?

Modularization of the code in React JS is characterized by the fact that all components and functions should be combined in one module, which can easily be accessed by the other modules of the application. This will make the maintenance of code more efficient and the application will run much faster. The code will not waste more time on searching for the functionalities and their codes for managing the application codebase.

Q18: How many types of components can you create in ReactJS?

There are two types of components created in React JS library. One is known as a Class component and the other one is known as a Functional component. The class component is also referred to as stateful component and functional component is referred to as stateless component.

Q19: What do you know about props in React JS?

Props is an inbuilt object in the React JS library. It is a short form of properties, which stores the attribute values for a tag. The working principle of Props in React JS is almost similar to the working of HTML attributes of tags. The main purpose of the Props is to pass the data between multiple components in the ReactJS-powered web application.

Q20: What are the 3 components of the Redux library?

Redux library uses 3 components for presenting web apps. They include: Action - It is a source of activities or information triggered or sent out to the store. Reducer - This component determines which way the state of the app changes when a response is generated by store against the action request. Store - The state of the application is stored in this component.

Q21: Tell me about React Router and what is it needed for?

The creation of routes in any React-powered application is done through React Router, which is also referred to as a routing library built on React top.

Q22: What are the major types of React JS component styling?

There are three major types of React JS styling of components. The names are given below. Inline component styling JavaScript object component styling CSS stylesheet component styling.

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Q23: What are CSS modules in React JS?

CSS modules are local code for styling, which are available for local components that import the CSS module file in React JS codebase. The creation of the CSS module in React JS is done through an extension referred to as `.module.css` extension.

Q24: What are the major differences between React JS routing and traditional routing?

The major differences between traditional and React routing are listed below.

- Multiple views of within a file are viewed on the same page in React routing, while in the traditional routing a user navigates numerous files for every new view of the page.
- React routing is a single page routing and convention routing is multi-page routing
- Page refreshes every time the user navigates in the conventional routing but in the React JS routing a page does not refresh every time of navigation.
- React JS routing offers higher performance than traditional one.

Q25: How functional and class components are different?

The major differences are listed below.

- Functional component is reusable while the class component is not.
- Functional component is not able to manage or hold state while the class is capable of doing that.
- Functional component does not work with any lifecycle while the class component is able to work with all life cycles.

Q26: What Is Create-React-Apps used for?

The Create-React-Apps is a very powerful application development infrastructure setup tool, which saves you a lot of time in creating development infrastructure for creating mobile or web applications. It was developed by the Facebook developer for application building.

Q27: What is Node Package Manager NPM?

Node Package Manager is a comprehensive tool for managing the packages of JavaScript-based software programming. It is extensively used in major JavaScript libraries such as Node.JS, React JS and others. The name Node comes from the fact that it was first designed for the Node.js framework.

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Q28: What is the function of using keys in the lists?

The main function of keys in lists of React JS programming include:

- Identifies every change of state of a items
- Helps identify the component that needs re-rendering after changes
- Unique identity makes maintenance easier

Q29: What is the difference between React Native and ReactJS?

The main difference between React JS and React Native is that ReactJS is designed for web application development while the React Native is designed for mobile applications (Android and iOS). React Native does not support HTML and CSS, while ReactJS does support both of them.

Q30: What are the major differences between React JS and Angular?

The differences between React JS and Angular are listed below.

- Angular uses traditional DOM while React JS uses virtual DOM
- Angular supports server-side rendering and React supports client-side rendering
- Angular supports bi-directional data binding and React supports unidirectional data binding
- Angular is old and mature technology while React JS is evolving very fast