

REACT QUESTIONS

Difference Between HTTP Client & Axios.

- HTTP client will return an observable
- Axios will return a promise.
- HTTP client has to be subscribed & unsubscribed.
- Promise can only be cancelled.
- HTTP Client has built-in interceptors for modifying requests
- Axios offers a more customizable API for global request/response handling.

Do we have pipe concept in react?

We don't have pipes in react instead we can use HOC

Difference between state and props.

- State mutable and managed by parent component.
- Props immutable and passed to function parameter to child component by parent component
- State can be initialized and updated within the components.
- Props are used for passing data and event handlers to child components

What are the types of component available in react?

- Functional component
- Class component
- Pure component

Number of HTML files in a React application

There should be atleast one HTML file(index.html) but we can include additional HTML files.

What is the connector between index.html & app.js?

index.html contain html template and id as root and it is starting point of the react application and index.js contains

```
const root = ReactDOM.createRoot(document.getElementById('root'));
```

followed by render method

App.js is the primary react component that is rendered into index.html

What situation HOC component is used in real time.

Higher order components are used in authentication process,logging process and conditional rendering in react.

It enhances code reuseability and maintainability.

Apart from browser module, what are the modules available in react?

React Native-for building mobile applications.

React Router-A routing library for navigation from one component to another in react.

Axios :For making HTTP requests from React applications to APIs

Bootstrap: Predesigned UI-components and styles.

Redux and some more modules

Inorder to enable the browser modules, what are the packages we have to import?

- npm install react
- npm install react-dom
- npm install @babel/core @babel/preset-react
- npm install babel-loader

Apart from browser router, what are the other routers we have?

- HashRouter-it is used for supporting old browser
- NativeRouter -routing in mobile applications
- StaticRouter -non browsing environment (Node js)

Where is the react-router -native is used for?

- The react-router-native are used for mobile application.
- To manage the routing and navigation in mobile.
- **syntax:**import { NativeRouter as Router, Route, Link } from 'react-router-native';

Difference b/w component in angular & component in react.

React Components	Angular Component
Function-based with JSX	Class-based with TypeScript and decorators
Uses Hooks (useState, useEffect) for state	Uses services and dependency injection
JSX allows HTML-like syntax within JavaScript	Angular-specific with directives
Unidirectional data flow	Two-way and one-way data binding

