**React-Redux and Hook: -**

1. What is pure component? Or What is the difference between React component and react PureComponent?

Ans - <https://codeburst.io/when-to-use-component-or-purecomponent-a60cfad01a81>

1. React life cycle? Or Name Lifecycle methods and their purpose?

<https://blog.logrocket.com/the-new-react-lifecycle-methods-in-plain-approachable-language-61a2105859f3/>

1. React updating state.

<https://learn.co/lessons/react-updating-state#:~:text=To%20update%20our%20state%2C%20we,our%20component%20re%2Drenders%20automatically.>

1. In which life cycle methods, we can update the state? **Or**

Using setState() in React lifecycle methods

<https://blog.logrocket.com/an-imperative-guide-to-setstate-in-react-b837ceaf8304/#:~:text=Introducing%20setState()&text=React%20intentionally%20%E2%80%9Cwaits%E2%80%9D%20until%20all,command%20to%20update%20the%20component.&text=this.,-state.>

1. Why **static getDerivedStateFromProps** is static method?

<https://medium.com/@adhithiravi/the-reason-getderivedstatefromprops-is-static-is-to-discourage-any-side-effects-during-the-render-6e95cf8f10b5#:~:text=1%20min%20read-,The%20reason%20getDerivedStateFromProps%20is%20static%20is%20to%20discourage%20any%20side,it%20recieves%20a%20new%20props.>

1. Props vs state?

<https://flaviocopes.com/react-state-vs-props/#:~:text=What's%20the%20difference%20between%20state%20and%20props%20in%20React%3F&text=In%20a%20React%20component%2C%20props,can%20be%20initialized%20by%20props.>

1. JSX?

<https://www.codementor.io/blog/5-essential-reactjs-interview-questions-du1084ym1>

1. Babel? – compiler/transpiler
2. Webpack?

Module bundler

<https://reactjs.net/bundling/webpack.html#:~:text=Webpack%20is%20a%20popular%20module,through%20the%20use%20of%20plugins.>

1. useEffect() Hooks?

<https://medium.com/@divyabiyani26/react-useeffect-a-hook-to-introduce-lifecycle-methods-in-functional-components-e7ec52897188>

1. Connect ()?

<https://react-redux.js.org/api/connect>

<https://dev.to/bouhm/react-redux-flow-terminologies-and-example-104b>

1. HOC? How its work?

<https://blog.jakoblind.no/simple-explanation-of-higher-order-components-hoc/>

1. What is Redux and why?

<https://www.smashingmagazine.com/2016/06/an-introduction-to-redux/#:~:text=Redux%20is%20used%20mostly%20for,(using%20actions%20and%20reducers).>

1. Class vs function component?

<https://medium.com/@Zwenza/functional-vs-class-components-in-react-231e3fbd7108#:~:text=The%20most%20obvious%20one%20difference,which%20returns%20a%20React%20element.>

1. Can we implement life cycle method within function component?
2. Difference between var, let and const keyword?

<https://www.freecodecamp.org/news/var-let-and-const-whats-the-difference/>

1. What is arrow function? Or Why do we use arrow function in react?
2. How to write test cases in react.
3. What is middleware?
4. Difference in Thunk and Saga?

<https://www.digitalocean.com/community/tutorials/redux-redux-thunk>

<https://medium.com/@shoshanarosenfield/redux-thunk-vs-redux-saga-93fe82878b2d#:~:text=The%20idea%20is%20that%20a,application%20with%20normal%20Redux%20actions.>

1. What is reducer? And how it flows the process of store updating in react redux?

<https://dev.to/bouhm/react-redux-flow-terminologies-and-example-104b>

1. Provider?

<https://react-redux.js.org/api/provider>

1. What is router in react?

<https://www.freecodecamp.org/news/beginner-s-guide-to-react-router-53094349669/>

1. Why typescript with React JS?

<https://blog.bitsrc.io/why-and-how-use-typescript-in-your-react-app-60e8987be8de>

1. How to prevent component from re-rendering?

<https://www.robinwieruch.de/react-prevent-rerender-component>

1. Diff between **shouldComponentUpdate() and React.PureComponent()**
2. **React.Memo() (Functional component)**

<https://dmitripavlutin.com/use-react-memo-wisely/>

1. Explain Error Boundaries?
2. Best Lifecycle Method for making API calls?

<https://forum.freecodecamp.org/t/react-lifecycle-methods-where-do-you-make-your-api-calls/89117>

1. React Patterns uses? [1. Context-API pattern, 2. render props, 3. presentation component pattern]
2. Why would you use react in your project?

<https://www.intertech.com/react-tutorial-when-to-use-react-and-why/#:~:text=React%20helps%20you%20manage%20those,grows%20in%20scale%20and%20scope.>

1. What is css-in-js pattern?
2. Why can’t you update state directly without setState()?
3. How many ways you can conditionally render in react?
4. What is fragment and why do we use it?

<https://reactjs.org/docs/fragments.html#:~:text=13.1%20LanguagesGitHub-,Fragments,extra%20nodes%20to%20the%20DOM.&text=There%20is%20also%20a%20new%20short%20syntax%20for%20declaring%20them.>

1. How to do code-splitting in react?
2. What are some alternatives to redux?

Ans – 1 mobX, 2 Apollo clients + GraphQL 3. RxJS

1. What is redux Middleware?
2. Module bundler [webpack] –

<https://medium.com/@TeeFouad/create-a-react-application-from-scratch-part-6-using-a-module-bundler-ce0b1837e575>

1. What is lazy loading?

<https://blog.bitsrc.io/lazy-loading-react-components-with-react-lazy-and-suspense-f05c4cfde10c#:~:text=It%20is%20a%20new%20function,the%20non%2Dcritical%20items%20later.>

1. Why react why not angular?
2. What is gulp? How its work?
3. Without using setState(), Update state in react.