TOP 15 REACT INTERVIEW QUESTIONS

1. Does React use HTML?

= No, we use JSX, which is similar to HTML.

2. What is Reactjs?

= React is a JavaScript library that simplifies building user interfaces. It was developed by Facebook.

3. Explain React Router.

= React Router is a routing library that allows you to add new screenflows to your application and keep URLs in sync with what you see on your pages.

5. What are Props in react js?

= By Props I mean a property that is a way to pass data from parent to child. You could say that props are just communication channels between components. Always move from parent to child.

6. What is React State?

= An object that determines how a particular component is rendered and behaves. State stores information that can change during the lifetime of a React component.

7. What is Context?

= React context helps you to pass data using the tree of react components. It helps you to share data globally between various react components.

8. Explain react hooks.

= React hooks let you use State and other React functions without writing a class.

9. What is the use of refs?

= ref is used to return a reference to an element. Should be avoided in most cases, but useful when you need to access a DOM element or component instance directly.

10. What is Virtual DOM?

= A Virtual DOM (VDOM) is an in-memory representation of the Real DOM. A representation of the user interface is kept in memory and synchronized with the "real" DOM. The steps from calling the render function to displaying the element on the screen. This entire process is called reconciliation.

11. How Virtual DOM works?

= Virtual DOM works in three easy steps.

- The entire UI is re-rendered in a virtual DOM representation whenever the underlying data changes.
- Then the difference between the old DOM representation and the new representation is computed.

12. What are the advantages of React?

= Below is a list of the main advantages of React.

- Improve application performance with virtual DOM.
- JSX makes it easier to read and write code.
- Rendered on both client and server side (SSR).
- Being just a view library, it can be easily integrated into frameworks (Angular, Backbone).
- You can easily write unit and integration tests using tools like Jest.

13. How events are different in React?

= There are some syntactic differences in handling events on React elements.

- React event handlers are named in camelCase instead of lowercase.
- In JSX, instead of passing strings, you pass functions as event handlers.

14. What is React Router?

= React Router is a powerful routing library built on top of React that helps you add new screens and flows to your application very quickly while keeping URLs in sync with what you see on your pages.

15. What is Redux?

= Redux is a predictable state container for JavaScript apps based on the Flux design pattern. Redux can be used in conjunction with React or other view libraries. It is small (around 2kB) and has no dependencies.