Q.1 What is React?
--> 1.React is a JavaScript library created by Facebook
   2.React is a User Interface (UI) library
   3.React is a tool for building UI components

Q.2 What are the advantages of Reactjs?
-->1.Speed
   2.Flexibility
   3.Performance
   4.Usability
   5.Reusable Components
   6.Mobile app development
   7.It's easy to learn
   8.It helps to build rich user interfaces

Q.3 What are the limitations of the React?
-->1.Lack of Proper Documentation.
   2.Development Speed.
   3.JSX Complexity.
   4.Problems With SEO.

Q.4 What is JSX?
-->1.JSX stands for JavaScript XML.
   2.JSX allows us to write HTML in React.
   3.JSX makes it easier to write and add HTML in React.

Q.5 Difference between functional and class components
-->

Functional Component	Class Component
• Functional Components is a plain JavaScript, you do not have a choice to set the state in functional component.	• Class components we have a feature to set the set state in component.
• There is no render function we are using in functional components.	• In class components, we have a render function which is use to return the react elements.
• Functional components only accept the props as an argument.	• In class components, we have both options use the props and set the state also.
• Functional components are sometimes called stateless components.	• Class components are sometimes called stateful components.

Q.6 What is the virtual DOM? How does react use the virtual DOM to render the UI?
--> Virtual DOM is a programming concept where a virtual representation of a UI is kept in memory synced with "Real DOM " by a library such as React-DOM and this process is called reconciliation. Virtual DOM makes the performance faster, not because the processing itself is done in less time.

Q.7 Explain React state and props.

--> In React props are a way to pass the data or properties from one component to other components while the state is the real-time data available to use within that only component. States and props are two of the most important concepts of React and everything in React is based upon them. But before jumping into State and Props we need to know about the relation between components and normal functions.

Q.8 Why we shld extend React.Component class?

-->The component has to include the extends React.Component statement, this statement creates an inheritance to React.Component, and gives your component access to React.Component's functions. The component also requires a render() method, this method returns HTML.

Q.9 What is data binding in React?

-->Data binding in React can be done through declared variables, props and state. It gives us the flexibility to synchronize both the data as well as UI. In this article, we will focus on data binding techniques and the differences between them. We will explain the concepts using various examples and use cases.

Q.10 Difference between Library and Framework?

Framework	Library
Provides ready to use tools, standards, templates, and policies for fast application development	Provides reusable function for our code
The framework controls calling of libraries for our code	Our code controls when and where to call a library
To leverage the benefit of a framework, a fresh application can be developed following the framework's guideline	Library can be added to augment the features of an existing application
Easy to create and deploy an application	Facilitates program binding
Helps us to develop a software application quickly	Helps us to reuse a software function
Intent of a framework is to reduce the complexity of the software development process	Intent of a library is to provide reusable software functionality

Q.11 Explain lifecycle of React components?

React Component Lifecycle