What is React?

Ans :- A JavaScript library for building user interfaces

What does JSX stand for?

Ans :- JavaScript XML

How can you pass data to a child component in React?

Ans :- Using props

What is the purpose of componentDidMount() lifecycle method?

Ans :- It is called when the component is mounted and ready to be used

How do you create a controlled component in React?

By using the useState hook

What is the virtual DOM in React?

A virtual representation of the component's structure and state

What is the purpose of Redux in React applications?

It is used for state management across the application

What is the significance of using keys in React lists?

They provide a unique identifier to each list item

What is the role of the render() method in React?

It is responsible for rendering the component's JSX markup

What is the purpose of the useState hook in React?

It is used to manage and update component state

How can you optimize performance in React?

All of the above

What is the difference between state and props in React?

All of the above

What is the purpose of the useEffect hook in React?
It is used to perform side effects in functional components

How can you handle forms in React?
All of the above

What is the purpose of the useContext hook in React?
It is used for global state management

What is the significance of the key prop in React lists?
It is used to uniquely identify list items for efficient updates

What is the purpose of the useCallback hook in React?
It is used to memoize expensive function computations

How can you handle errors in React components?
All of the above

What is the significance of the useMemo hook in React?
It is used to memoize expensive function computations

What is the purpose of the ref attribute in React?
It is used to refer to HTML elements in JSX

What is the difference between functional components and class components in React?
Functional components use hooks, while class components use lifecycle methods

What is the purpose of the useContext hook in React?
It is used for state management in functional components

What is the purpose of the React.Fragment component in React?

It is used to render multiple elements without a wrapper element

What is the purpose of the withRouter higher-order component in React?

It is used for managing routing in React

What is the purpose of the React.memo() function in React?

It is used to optimize component re-rendering

Which method is used to store data in local storage?

localStorage.setItem()

What is the maximum storage limit for local storage in most web browsers?

5 MB

How long does the data stored in local storage persist?

Forever

Which of the following data types can be stored in local storage?

All of the above

How can you remove an item from local storage?

localStorage.removeItem('key')

Which method is used to retrieve data from local storage?

localStorage.getItem()

How can you check if local storage is supported in the user's browser?

'localStorage' in window

What happens if you exceed the local storage limit?

The oldest data is automatically removed

Can local storage data be accessed by different tabs/windows of the same browser?
Yes

What is the maximum storage limit for session storage in most web browsers?
5 MB

How long does the data stored in session storage persist?
Until the browser is closed

Which of the following data types can be stored in session storage?
All of the above

Can session storage data be accessed by different tabs/windows of the same browser?
No

How can you remove an item from session storage?
sessionStorage.removeItem('key')

Which built-in method in React is used to fetch data from an API?
fetch()

In React, where is the best place to make API calls?
Inside the componentDidMount lifecycle method

What does the useEffect hook do in React?
It is used to perform side effects, such as API calls

Which HTTP method is commonly used to retrieve data from an API?
GET

How can you handle errors when making an API call in React?
Using the catch() method after the API call

What does API stand for?
Application Programming Interface

Which method is commonly used to handle asynchronous API calls in React?
Promises

What is the purpose of setting the "Authorization" header in API requests?
To authenticate the user

How can you pass data from a parent component to a child component in React when making an API call?
ANS :- All of the above

Which lifecycle method is commonly used for making API calls in React function components?
useEffect

Which library is commonly used for making HTTP requests in React applications?
Axios

What is the advantage of using Axios over the Fetch API?
All of the above

How do you install Axios in a React project?
npm install axios

Which method is used to make a GET request using Axios?
axios.get()

How can you handle errors in Axios?
Using the catch() method

Redux solves this problem by managing application's state with a single global object called ?
Store

Predictability of Redux is determined by _____ most important principles.
Three

What is true about redux?

All of the above

_____ is a plain object that describes the intention to cause change with a type property.

action

Actions and states are held together by a function called?

Reducer

Redux follows the _____ data flow.

Unidirectiona

The _____ can retrieve updated state and re-render again.

View

The _____ notifies the view by executing their callback functions

Store

A store is an _____ object tree in Redux.

Immutable

Redux can have _____ store in your application

Single

A createStore function can have _____ arguments.

3

Which method helps you retrieve the current state of your Redux store?

getState

Which of the following is react-Redux helper method?

connect()

Which of the following rules are correct for Pure Functions?

All of the above

Reducers are a pure function in Redux.
True

Pure functions are unpredictable
False

Which of them provide us debugging platform for Redux apps?
Redux-Devtools

Both props and state are plain JavaScript objects.
True

Which of the following makes stores available?
PROVIDER

Which method allows you to dispatch an action to change a state in your application?
dispatch