

JavaScript

1. Explain call, apply, bind?
2. JavaScript - Single or multithread ?
3. How does JS handles multithread operations?
4. Type of array in JavaScript.
5. Type of null in JavaScript.
6. What are callback functions. Why do we use them ?
7. What is event loop ?
8. How does JavaScript works ? Tell about the JavaScript engine and call stack .
9. What are promises ? What is async/await ?
10. Tell something async functions
11. What are anonymous functions? Why do we use them ?
12. What are higher order functions ?
13. Explain Currying.
14. Explain Hosting with var and let, const difference ?
15. Bind to objects with coding
16. What is debouncing and throttling ?
17. What is event bubbling and event capturing ?
18. What is IIFE ?
19. Implement a function which takes three parameter a callback function, delay time and a number n . Which call the function n number of times with delay time interval
20. Which DS is used in implementing folder structure ?
21. When to use Arrow function, function declaration, function expression ?
22. What is promise chaining?
23. What is event Delegation?
24. What is this in JS?
25. Difference between Promise.all(), Promise.allsettled(), Promise.any(), Promise.race()?
26. What new things are introduced in ES6?
27. What is Block Scope?
28. Write polyfills for Map, Filter and foreach.
29. Write your own fake promise code.
30. Explain destructuring, spread, rest in JS.

31. How are objects created in JS?
32. Create your own class in JS and create an constructor in it.
33. What is default and named export?
34. What is first class function?
35. Difference between Local and Session storage.
36. Difference between Async and Differ.
37. Difference between == and ===.
38. Write a code for stack overflow.
39. What is memory leak ?
40. What is strict mode?

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React js

1. Difference between real and virtual DOM . How does React work .
2. What are lifecycle methods . Tell something about the lifecycle of a component .
3. Explain React Hooks.
4. What is Context API ?
5. What is prop drilling ?
7. What is JSX ? Why do we use it ?
8. Given an API . Fetch data from the API and display the names . After that attach delete button with each name and on clicking the delete button , that particular name should get deleted. Also attach edit button, when clicked on it, user should be able to edit it. And new data should be added by creating an input box and submit button.
9. What is custom Hooks ? How have you implemented them?
10. What is Routing?
- 11 . What is Redux and why do we use it?
12. Difference between Redux and Context API
13. Different lib available for state management in React?
14. How would you implement componentDidMount, componentDidUpdate, and componentWillUnmount individually in useEffect Hook?
- 15 . How you will implement reusable component?
16. What are Pure components?
17. Explain HOC.
18. What is Reconciliation and diff algo?
19. What different libs you have used in React js?
20. Explain useEffect() in detail.
21. Why do we need in key in map function? And why index value cannot be used as key?
22. What is lazyloading and have you implemented in React?
23. Difference between state and props.
24. What are dumb components and smart components?
25. What are controlled and uncontrolled components?
26. What are the useCallback & useMemo hooks used for?
27. What is flux?
28. Which lib is installed for using routing in React?