

Interview Preparation

JavaScript Interview Questions

Core JavaScript

1. What is the difference between var, let, and const in JavaScript?
2. What are closures in JavaScript, and how do they work?
3. What is the this keyword in JavaScript, and how does it behave in different contexts?
4. What is a JavaScript promise, and how does it handle asynchronous code?
5. What is the event loop, and how does JavaScript handle asynchronous operations?
6. What is hoisting in JavaScript, and how does it work?
7. What are JavaScript data types, and how do you check the type of a variable?
8. What is the difference between null and undefined in JavaScript?
9. What is a callback function, and how is it used?
10. How do you manage errors in JavaScript?

Async JavaScript

11. What is the difference between setTimeout() and setInterval()?
12. How do JavaScript promises work, and what is the then() method?
13. What is async/await, and how does it simplify asynchronous code in JavaScript?
14. What are the advantages of using async functions over callbacks?
15. How do you handle multiple promises simultaneously?

Fancy Features in JavaScript

16. What are higher-order functions in JavaScript, and can you provide an example?
17. What is destructuring in JavaScript, and how is it useful?
18. What are template literals in JavaScript, and how do they work?
19. How does the spread operator work in JavaScript?
20. What is the rest parameter in JavaScript, and how does it differ from the arguments object?

Objects and Arrays

21. What is the difference between an object and an array in JavaScript?
22. How do you clone an object or array in JavaScript?
23. What are object methods like Object.keys(), Object.values(), and Object.entries()?
24. How does the map() method work in JavaScript, and when would you use it?
25. What is the difference between map() and forEach() in JavaScript?

Special Theory

26. What is event delegation in JavaScript, and why is it useful?
27. What are JavaScript modules, and how do you import/export them?

28. What is the prototype chain in JavaScript, and how does inheritance work?
29. What is bind(), call(), and apply() in JavaScript, and when do you use them?
30. How does JavaScript handle equality comparisons with == and ===?

Concepts in Frontend Development

31. What is the Document Object Model (DOM), and how does JavaScript interact with it?
32. How do you prevent default actions and stop event propagation in JavaScript?
33. What is the difference between synchronous and asynchronous code in JavaScript?
34. What is the difference between an event object and a custom event in JavaScript?
35. How do you optimize performance in JavaScript applications?

Node JS interview questions

1. What is Node js?
2. What is the difference between Node js and JavaScript?
3. Is Node.js single-threaded?
4. What kind of API function is supported by Node js?
5. What is a module in Node js?
6. What is npm and its advantages?
7. What is middleware?
8. How does Node Js handle concurrency despite being single-threaded?
9. What is control flow in Node Js?
10. What do you mean by the event loop in Node Js?
11. What are the main disadvantages of Node Js?
12. What is REPL in Node Js?
13. How to import a module in Node Js?
14. What is the difference between Node Js and AJAX?
15. What is package.json in Node Js?
16. What is the most popular Node Js framework used these days? (express)
17. What are promises in Node Js?
18. What is event-driven programming in Node Js?
19. What is buffer in Node Js?
20. What are streams in Node Js?
21. Explain crypto module in Node Js. (inbuilt Module for Cryptography)
22. What is callback hell?
23. Explain the use of the timers module in Node Js.
24. What is the difference between setImmediate() and process.nextTick() methods?
25. What is the difference between setTimeout() and setImmediate() methods?
26. What is the difference between spawn() and fork() methods?
27. Explain the use of the passport module in Node Js.

28. What is fork in Node Js?
29. What are the three methods to avoid callback hell?
30. What is body-parser in Node Js?
31. What is CORS in Node Js?
32. Explain the tls module in Node Js.
33. What is a cluster in Node Js?
34. How to manage sessions in Node Js?
35. Explain the types of streams in Node Js.
36. How can you implement authentication and authorization in Node Js?
37. Explain the packages used for file uploading in Node Js.
38. How to handle database connections in Node Js?
39. How to read command line arguments in Node Js?
40. What are child processes in Node Js?