

JavaScript Interview Questions Practice

1. Basic JavaScript Questions

- Difference between var, let, and const?
- What are primitive and non-primitive data types?
- Explain hoisting in JavaScript.
- Difference between == and ===?
- What is scope in JavaScript? (Global, Local, Block)
- What is a closure?
- What is a callback function?
- Explain event bubbling and capturing.
- Difference between null and undefined.
- What is type coercion and type conversion?

2. Functions & Execution Context

- Difference between arrow function and normal function?
- What does 'this' keyword refer to in different contexts?
- What is IIFE (Immediately Invoked Function Expression)?
- What are higher order functions?
- What is callback hell?
- Difference between call, apply, and bind?

3. Asynchronous JavaScript

- Explain the event loop in JavaScript.
- What is the call stack?
- Difference between setTimeout and setInterval?
- What are Promises and async/await?
- Difference between microtask and macrotask queue?

4. DOM Manipulation

- What is the DOM?
- Difference between querySelector and getElementById?
- How to handle events in JavaScript?
- What is preventDefault()?
- What is event delegation?

5. Array/Object Methods

- Usage of map(), filter(), reduce(), forEach(), some(), every()
- What is destructuring in JavaScript?
- Explain spread and rest operators.
- What is optional chaining and nullish coalescing?

6. Advanced Topics

- What is debouncing and throttling?
- Prototypal vs class inheritance?
- Explain module system (import/export).
- What are memory leaks and how to avoid them?
- Difference between Map/Set and WeakMap/WeakSet?
- What is currying?
- Difference between shallow and deep copy?

7. Coding Practice Questions

- Reverse a string or number.
- Check for palindrome.
- Implement FizzBuzz.
- Flatten a nested array.
- Find duplicates in an array.
- Deep clone an object.
- Implement custom map() or filter().

8. Browser Related

- Difference between localStorage, sessionStorage, and cookies?
- Synchronous vs asynchronous JavaScript.
- What is CORS?
- How JavaScript runs in the browser?