

# 50 JavaScript Interview Questions & Answers

## **1. What is JavaScript?**

JavaScript is a scripting language used to make web pages interactive.

## **2. Difference between var, let, and const?**

var is function-scoped, let and const are block-scoped. const cannot be reassigned.

## **3. What is a callback function?**

A function passed as an argument to another function.

## **4. What is an arrow function?**

A shorter syntax for functions: const add = (a,b) => a+b.

## **5. What is hoisting?**

JavaScript moves variable and function declarations to the top of their scope.

## **6. What is the DOM?**

The Document Object Model represents the structure of a webpage.

## **7. What is event bubbling?**

An event propagates from the target element to its ancestors.

## **8. What is event delegation?**

Handling events at a parent level instead of each child element.

## **9. What is NaN?**

NaN stands for Not-a-Number and indicates invalid number operations.

## **10. What is === operator?**

Strict equality: checks value and type.

## **11. What are template literals?**

Strings with embedded expressions using backticks (`).

## **12. What is async/await?**

Syntax for working with Promises in a cleaner way.

**13. What is a Promise?**

An object representing a future result of an asynchronous operation.

**14. What is localStorage?**

A browser storage API that stores key-value data permanently.

**15. What is sessionStorage?**

Stores data for a session; removed when tab is closed.

**16. Explain closures.**

A closure gives access to an outer function's scope from an inner function.

**17. What is the event loop?**

It handles asynchronous operations in JavaScript.

**18. What is a higher-order function?**

A function that takes or returns another function.

**19. What is JSON?**

A data format using key-value pairs.

**20. What is a JavaScript module?**

Reusable code files exported and imported between scripts.

**21. What is destructuring?**

Extracting values from arrays/objects into variables.

**22. What is spread operator?**

... used to expand iterable elements.

**23. What is REST API?**

A set of rules for communication between client and server.

**24. What is CORS?**

A browser security feature restricting cross-origin requests.

**25. What is a framework?**

Predefined structure for building applications.

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