

# CDAC Mumbai

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## Module: WPT

### Topic: Interview Questions Set-2

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1. What is JavaScript, and what are its primary uses?
2. Explain the differences between let, const, and var. And, their scope,
3. What is hoisting in JavaScript, and how does it work?
4. Can you explain closures and provide an example of how they are used?
5. What is the event loop in JavaScript, and how does it manage asynchronous operations?
6. What is the difference between == and === in JavaScript?
7. How can you check the type of a variable in JavaScript?
8. What is the use of the this keyword in JavaScript?
9. What is the difference between function declarations and function expressions?
10. How does setTimeout work in JavaScript?
11. What is asynchronous JavaScript, and why is it important?
12. What is a callback function, and what is callback hell? How can it be avoided?
13. Can you explain promises and how to use them with .then() and .catch()?
14. What is async/await, and how does it simplify working with promises?
15. What is a higher-order function, and can you provide an example?
16. What are arrow functions, and how do they differ from traditional function expressions?
17. What is the concept of a pure function in JavaScript.
18. What is prototypal inheritance in JavaScript?
19. How can you create an object in JavaScript?
20. What is the purpose of the prototype property in JavaScript?
21. Explain object destructuring and provide an example.
22. What is the difference between shallow copy and deep copy in JavaScript?
23. What are value types and reference types in JavaScript?
24. What is lexical scope, and how does it affect variable access?
25. What is an Immediately Invoked Function Expression (IIFE)?
26. How does the call stack work in JavaScript?
27. Can you explain the concept of function currying and provide an example?
28. What is the difference between null and undefined in JavaScript?
29. What is the Document Object Model (DOM)?
30. How do you select elements in the DOM using JavaScript?
31. What is event delegation, and how does it work?
32. How can you create and remove elements in the DOM?
33. What is the purpose of addEventListener, and how does it differ from inline event handlers?
34. How can you prevent the default behavior of an event in JavaScript?

35. What is the difference between innerHTML and textContent?
36. What is JSON, and how is it used in JavaScript?
37. How do you parse JSON data in JavaScript?
38. How do you convert a JavaScript object into a JSON string?
39. What are the benefits of using JSON over XML?
40. How do you handle errors when parsing JSON data?
41. What are JavaScript modules, and how do they help in organizing code?
42. What is the difference between synchronous and asynchronous execution in JavaScript?
43. What are the bind, call, and apply methods in JavaScript, and how do they differ?
44. Can you explain the concept of the "closure scope chain"?
45. How does JavaScript handle memory management and garbage collection?
46. What are the different types of JavaScript data types?
47. How can you optimize JavaScript code for performance?
48. What are service workers, and how do they work in modern web applications?
49. What is the purpose of the fetch API, and how is it used to make network requests?
50. What are WebSockets, and how do they differ from HTTP requests?