

50 Interview Question on Web Back-End Development

1. What is your favorite programming language? And why?
2. What do you understand by NoSQL databases? Explain.
3. What is the difference between software architecture and software design?
4. What is JavaScript, and why is it used?
5. What is your approach to debugging?
6. How would you find the most expensive queries in an application?
7. What is the difference between an acceptance test and a functional test?
8. Which sorting algorithm should you use and when?
9. What is the meaning of “high cohesion” and “loose coupling”?
10. Why should you use microservices architecture?
11. Explain the difference between cohesion and coupling?
12. When is refactoring useful?
13. How does React *work*?
14. What is *Context API* in ReactJS?
15. What are props in React?
16. What is the use of refs?
17. What are the *advantages* of ReactJS?
18. What are React Hooks?
19. How would you write an *inline* style in React?
20. What is React?
21. What are the major *features* of ReactJS?
22. What are the differences between a *Class component* and *Functional component*?
23. What npm is used for?
24. Why does Node.js prefer *Error-First Callback*?
25. What is *Callback Hell* and what is the *main cause* of it?
26. What is *Callback*?
27. What are the key features of Node.js?
28. Explain the difference between *local* and *global* npm packages installation
29. What do you mean by *Asynchronous API*?
30. What are the *benefits* of using Node.js?
31. Differentiate between software architecture and software design.
32. Talk about continuous integration and continuous delivery.
33. How can you build scalability into a software program?
34. Why is Microservices architecture used?
35. What are NoSQL databases? Mention different types of NoSQL databases.
36. Explain SQL injection.
37. Differentiate between acceptance and functional tests.
38. Mention some performance testing steps.
39. Mention some advantages of Web Services.
40. Differentiate between Clustered and Non-clustered indexes?
41. Explain what is an ETag and how does it work?

42. Explain what is long polling?
43. Explain what is DTD (Document Type Declaration)? Mention what is the difference between CDATA and PCDATA in DTD?
44. Mention some tips you can use to reduce the load time of a web application that you have written?
45. Mention what is the correct way to include JavaScript into your HTML?
46. Explain in CSS, how can you make a form element's background color change when the user is entering text? Does this work in all browsers?
47. Explain what is the difference between cookies and local storage?
48. In HTML what tag can be used for a multi-line text input control?
49. Explain how can you refer to CSS file in the web page?
50. List out few ways you can reduce page load time?
51. In HTML mention the difference between <div> and <frame>?
52. How XHTML is different from HTML?