Web Development Interview Questions

1. Basics of Web Development

1. What is web development?

2. What are the differences between frontend and backend development?

3. What are the different types of websites (Static, Dynamic, Single-page, Multi-page)?

4. What are the main technologies used in web development?

5. What is the difference between client-side and server-side scripting?

6. What is the purpose of a web server?

7. What are the roles of a frontend developer and a backend developer?

8. What is a full-stack developer?

9. What is the difference between a website and a web application?

10. What is the difference between a domain name and web hosting?

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2. HTML (HyperText Markup Language)

11. What is HTML?

12. What are the basic elements of an HTML document?

13. What is the difference between HTML4 and HTML5?

14. What is semantic HTML?

15. What is the difference between <div> and <span>?

16. What are the different types of lists in HTML?

17. What are meta tags in HTML?

18. What is the <iframe> tag used for?

19. What are the different input types in an HTML form?

20. What is the difference between <section>, <article>, and <aside>?

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3. CSS (Cascading Style Sheets)

21. What is CSS?

22. What are the different ways to apply CSS to a webpage?

23. What is the difference between relative, absolute, and fixed positioning?

24. What is the CSS Box Model?

25. What are pseudo-classes and pseudo-elements in CSS?

26. What is the difference between em, rem, px, and % in CSS?

27. What is Flexbox in CSS?

28. What is CSS Grid, and how is it different from Flexbox?

29. What are media queries in CSS?

30. What is the difference between visibility: hidden; and display: none;?

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4. JavaScript (JS) Basics

31. What is JavaScript?

32. What is the difference between JavaScript and Java?

33. What are JavaScript variables?

34. What are JavaScript data types?

35. What is the difference between var, let, and const?

36. What are functions in JavaScript?

37. What is an event in JavaScript?

38. What is the Document Object Model (DOM)?

39. What is the difference between synchronous and asynchronous JavaScript?

40. What is the difference between == and === in JavaScript?

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5. Advanced JavaScript (ES6 and Beyond)

41. What is an arrow function in JavaScript?

42. What is destructuring in JavaScript?

43. What are template literals in JavaScript?

44. What is the difference between null and undefined?

45. What is a JavaScript promise?

46. What is async and await in JavaScript?

47. What is event delegation?

48. What is the difference between localStorage, sessionStorage, and cookies?

49. What is closure in JavaScript?

50. What is the difference between map(), filter(), and reduce()?

Web Development Interview Questions

6. Frontend Frameworks (React, Angular, Vue)

51. What is React, and why is it popular?

52. What is JSX in React?

53. What is the difference between React functional and class components?

54. What is the virtual DOM in React?

55. What is the purpose of state and props in React?

56. What is two-way data binding in Angular?

57. What are directives in Angular?

58. What is Vue.js, and how does it compare to React and Angular?

59. What is component-based architecture?

60. What is server-side rendering (SSR) in React?

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7. Backend Development

61. What is backend development?

62. What are popular backend programming languages?

63. What is Node.js?

64. What is Express.js?

65. What is REST API?

66. What is GraphQL, and how is it different from REST?

67. What is middleware in backend development?

68. What is a WebSocket?

69. What is authentication and authorization?

70. What is JWT (JSON Web Token)?

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8. Databases & Web Storage

71. What is a database?

72. What is the difference between SQL and NoSQL databases?

73. What are common SQL databases?

74. What is MySQL?

75. What is MongoDB?

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76. What is an ORM (Object Relational Mapping)?

77. What is the difference between relational and non-relational databases?

78. What is database indexing?

79. What is CRUD (Create, Read, Update, Delete)?

80. What is ACID in databases?

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9. Web Hosting & Deployment

81. What is web hosting?

82. What are different types of web hosting (Shared, VPS, Dedicated, Cloud)?

83. What is a CDN (Content Delivery Network)?

84. What is Docker?

85. What is CI/CD in web development?

86. What is GitHub Pages?

87. What is Netlify?

88. What is Heroku?

89. What is the difference between HTTP and HTTPS?

90. What is SSL, and why is it important?

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10. Web Performance & Security

91. What is website optimization?

92. What is lazy loading?

93. What is minification in web development?

94. How do you reduce page load time?

95. What is Cross-Site Scripting (XSS)?

96. What is SQL Injection?

97. What is CORS (Cross-Origin Resource Sharing)?

98. What are security best practices for web development?

99. What is a progressive web app (PWA)?

100.   What are the latest trends in web development?