113 CSS interview questions that you as a recruiter should ask your next candidate

Questions

1. What is CSS, and why do we use it?

2. Explain the difference between inline, internal, and external CSS.

3. What is a CSS selector? Give some examples.

4. What are the different types of CSS selectors you know?

5. Explain the concept of CSS specificity. How does it determine which styles are applied?

6. What are the different CSS box model properties?

7. How can you center a div horizontally and vertically using CSS?

8. What is the difference between margin and padding?

9. What is the purpose of the float property? What are some common issues associated with it, and how can you solve them?

10. Explain the concept of the CSS display property and its different values (e.g., block, inline, inline-block, none).

11. How do you make a responsive website using CSS?

12. What are media queries, and how are they used in responsive design?

13. What's the difference between em and rem units in CSS?

14. What is the purpose of the z-index property?

15. What are CSS preprocessors? Name a few.

16. What is the difference between position: relative, position: absolute, position: fixed, and position: static?

17. How do you create a simple CSS animation?

18. What are CSS transitions?

19. How can you include a font in your webpage which is not a standard browser font?

20. What are pseudo-classes and pseudo-elements in CSS? Give examples.

21. How do you debug CSS? What tools can you use?

22. What is the !important rule in CSS, and when should you use it?

23. Explain the concept of inheritance in CSS.

24. How can you reset or normalize CSS styles across different browsers?

25. What are the advantages of using CSS frameworks like Bootstrap or Tailwind CSS?

26. Explain the difference between visibility: hidden and display: none.

27. Describe a situation where you might use flexbox or grid layout. What are the advantages of each?

28. How would you approach styling a webpage for different screen sizes (mobile, tablet, desktop) to ensure a consistent user experience?

29. What is the purpose of object-fit property?

30. What is the CSS box model, and how does it affect the layout of elements on a page?

31. Explain the difference between inline, block, and inline-block elements.

32. How do you link a CSS stylesheet to an HTML document?

33. What is the purpose of CSS selectors, and can you give examples of different types of selectors?

34. Describe the concept of CSS specificity and how it determines which styles are applied to an element.

35. What are the advantages of using external CSS files?

36. How do you center an element horizontally and vertically using CSS?

37. Explain the difference between padding and margin in CSS.

38. What are some common CSS properties used for controlling text styles, such as font size, color, and alignment?

39. How do you create a simple CSS rule to change the background color of a specific HTML element?

40. Explain the purpose of the !important rule in CSS and when it should be used.

41. What is the difference between relative and absolute positioning in CSS?

42. How can you use CSS to create a simple navigation menu?

43. Describe the concept of CSS inheritance and how it affects element styles.

44. What are media queries in CSS, and how are they used for responsive design?

45. How do you use CSS to hide an element from the page?

46. Explain the purpose of the CSS float property and how it affects the layout of elements.

47. What are some common CSS units of measurement, such as pixels, ems, and rems, and when would you use each?

48. How do you create rounded corners on an element using CSS?

49. Describe the difference between id and class selectors in CSS.

50. How can you apply different styles to an element based on its hover state?

51. Explain the purpose of the CSS z-index property and how it affects the stacking order of elements.

52. What is the purpose of CSS preprocessors like Sass or Less?

53. How do you use CSS to create a simple image gallery?

54. Describe the concept of responsive web design and how CSS plays a role in it.

55. What are CSS variables (custom properties), and how can they be used?

56. Explain what vendor prefixes are in CSS and provide some examples.

57. Explain the difference between 'visibility: hidden' and 'display: none'. When would you use one over the other?

58. How does CSS specificity work? Can you give an example of how to calculate it?

59. Describe the box model in CSS. What are its components, and how do they contribute to the overall size of an element?

60. What are pseudo-classes and pseudo-elements? Provide examples of each and explain their use cases.

61. Explain the concept of 'stacking context' in CSS. How is it created, and how does it affect element layering?

62. What are the different types of CSS selectors? Can you provide examples of attribute selectors and combinators?

63. How do you typically approach cross-browser compatibility issues in CSS?

64. Explain the use of the 'transform' property in CSS. How can you rotate, scale, skew, and translate elements?

65. What are the advantages of using CSS preprocessors like Sass or Less?

66. How can you create responsive images in CSS?

67. Describe the differences between 'absolute', 'relative', 'fixed', and 'static' positioning.

68. What is the purpose of the 'z-index' property? How does it relate to stacking context?

69. Explain how to use CSS transitions and animations. What are the key properties involved?

70. How do you vertically center an element in CSS? Describe different methods and their pros and cons.

71. What is the purpose of the 'object-fit' property in CSS? How does it work with different values like 'cover', 'contain', and 'fill'?

72. Explain the concept of 'Flexbox'. How does it simplify layout design compared to traditional methods?

73. What are the key properties used in Flexbox, such as 'justify-content', 'align-items', and 'flex-direction'?

74. Describe the use of CSS Grid layout. How does it differ from Flexbox, and when might you choose one over the other?

75. What are some of the common units used in CSS, such as 'px', 'em', 'rem', and 'vw/vh'? Explain the differences between them.

76. How can you optimize CSS for performance? What are some strategies to reduce file size and improve rendering speed?

77. Explain the concept of 'media queries' in CSS. How do you use them to create responsive designs for different screen sizes and devices?

78. What are custom properties (CSS variables)? How can they be used to improve maintainability and reusability of CSS code?

79. Describe the use of the 'calc()' function in CSS. What are some examples of how it can be used to perform calculations?

80. Explain the purpose of the 'content' property in CSS. How can it be used to insert generated content before or after elements?

81. How can you debug CSS issues effectively? What tools and techniques do you use?

82. What are logical properties and values in CSS? How do they contribute to internationalization?

83. Explain the difference between 'initial', 'inherit', 'unset', and 'revert' keywords in CSS.

84. What are CSS Modules, and how do they help with CSS scoping and avoiding naming collisions?

85. How do you handle different text direction (left-to-right vs. right-to-left) in CSS layouts?

86. Explain the concept of 'specificity' in CSS and how it's calculated. Give an example of a scenario where understanding specificity is crucial for debugging.

87. Describe different CSS box-sizing properties and how they affect the overall layout of an element.

88. How does CSS Grid differ from Flexbox, and when would you choose one over the other for layout design?

89. What are CSS custom properties (variables), and how can they be used to create more maintainable and dynamic stylesheets?

90. Explain the purpose and usage of the 'z-index' property. What are some common pitfalls to avoid when using it?

91. Describe different CSS units (e.g., px, em, rem, vw, vh) and explain when each one is most appropriate.

92. What are the advantages and disadvantages of using CSS preprocessors like Sass or Less?

93. Explain the concept of the 'CSS cascade' and how it determines which styles are applied to an element.

94. Describe different ways to optimize CSS performance, such as minification, concatenation, and lazy loading.

95. How can you create responsive images that adapt to different screen sizes and resolutions using CSS?

96. Explain the purpose and usage of CSS media queries. Give an example of how you would use them to create a responsive layout.

97. Describe different CSS pseudo-classes and pseudo-elements, and explain how they can be used to style elements based on their state or position.

98. How can you use CSS animations and transitions to create engaging and interactive user experiences?

99. Explain the concept of 'CSS Modules' and how they can be used to create more modular and maintainable stylesheets.

100. Describe different ways to handle cross-browser compatibility issues in CSS. How do you ensure your styles work correctly across different browsers and devices?

101. What are the advantages and disadvantages of using inline styles, internal stylesheets, and external stylesheets?

102. Explain the purpose and usage of the 'object-fit' property. How can it be used to control how images and videos are displayed within their containers?

103. Describe different CSS selectors (e.g., ID selectors, class selectors, attribute selectors) and explain when each one is most appropriate.

104. How can you use CSS to create a visually appealing and accessible website that is usable by people with disabilities?

105. Explain the concept of 'BEM' (Block, Element, Modifier) and how it can be used to create more organized and maintainable CSS code.

106. Describe different CSS layout techniques (e.g., floats, positioning, flexbox, grid) and explain when each one is most appropriate.

107. How do you approach debugging CSS issues? What tools and techniques do you use to identify and fix problems?

108. Explain the concept of 'CSS containment' and how it can improve rendering performance by isolating parts of the page.

109. Describe different ways to implement a dark mode toggle using CSS and JavaScript. What are some considerations for making it accessible and user-friendly?

110. How can you use CSS to create complex shapes and patterns without using images or SVG?

111. Explain the purpose and usage of the 'will-change' property. What are some potential performance implications of using it incorrectly?

112. Describe different approaches to writing CSS that is both maintainable and scalable for large projects. How do you organize your code and avoid common pitfalls?

113. How can you use CSS to implement advanced typography techniques, such as custom fonts, text effects, and responsive font sizes?