

HTML INTERVIEWS QUES WITH ANS

Here are 50 HTML5 interview questions with answers:

What is HTML5?

Answer: HTML5 is the latest version of Hypertext Markup Language, which is used to structure and present content on the web.

What are the new features introduced in HTML5?

Answer: Some of the new features introduced in HTML5 include semantic elements, audio and video support, canvas for drawing graphics, local storage, and improved form elements.

What are the semantic elements in HTML5?

Answer: Semantic elements in HTML5 are tags that provide a meaning or context to the content, such as `<header>`, `<footer>`, `<nav>`, `<article>`, `<section>`, and `<aside>`.

What is the purpose of the `<canvas>` element in HTML5?

Answer: The `<canvas>` element provides a drawing area on which you can use JavaScript to render graphics, animations, and interactive visuals.

What is the difference between the `<section>` and `<div>` elements in HTML5?

Answer: The `<section>` element is used to define a section or grouping of content with a related theme, while `<div>` is a generic container for grouping content without conveying any specific meaning.

How does HTML5 support audio and video elements?

Answer: HTML5 introduced the <audio> and <video> elements, which allow for the inclusion and playback of audio and video content directly within web pages without the need for plugins.

What is the purpose of the <progress> element in HTML5?

Answer: The <progress> element represents the progress of a task or the completion status of a process.

What is the purpose of the <datalist> element in HTML5?

Answer: The <datalist> element provides a list of predefined options for an <input> element, allowing users to select a value from the list.

What is the difference between local storage and session storage in HTML5?

Answer: Local storage and session storage are both HTML5 web storage options, but local storage stores data persistently across multiple sessions, while session storage is cleared when the session ends.

How do you validate forms in HTML5?

Answer: HTML5 introduced new input types, attributes, and form validation APIs that allow for client-side form validation without the need for JavaScript. You can use attributes like required, pattern, min, max, etc.

What is the purpose of the data-* attributes in HTML5?

Answer: The data-* attributes provide a way to store custom data within HTML elements, which can be accessed using JavaScript.

How do you create a responsive web design using HTML5?

Answer: You can create a responsive web design using HTML5 by utilizing CSS media queries, flexible grid systems, and responsive images to ensure that your website adapts to different screen sizes and devices.

What is the purpose of the <details> and <summary> elements in HTML5?

Answer: The <details> element is used to create an interactive widget that can be toggled to reveal or hide additional content, while the <summary> element provides a visible heading or summary for the details element.

How do you embed custom fonts in HTML5?

Answer: You can embed custom fonts in HTML5 using the @font-face rule in CSS, which allows you to specify a font file and use it as a web font.

What is the purpose of the <output> element in HTML5?

Answer: The <output> element is used to display the result of a calculation or the output of a script.

What is the purpose of the contenteditable attribute in HTML5?

Answer: The contenteditable attribute allows you to make an element editable, enabling users to modify the content directly within the browser.

How do you include SVG (Scalable Vector Graphics) in HTML5?

Answer: SVG can be included in HTML5 using the <svg> element and providing the SVG markup within the element.

What is the purpose of the <time> element in HTML5?

Answer: The <time> element represents a specific time or a range of time, such as a date, a time, or a duration.

How do you handle geolocation in HTML5?

Answer: HTML5 provides a Geolocation API that allows you to retrieve the user's current location using JavaScript.

What is the purpose of the <figure> and <figcaption> elements in HTML5?

Answer: The <figure> element is used to encapsulate media content, such as images or videos, along with an optional caption provided by the <figcaption> element.

How do you create a responsive image in HTML5?

Answer: You can create a responsive image in HTML5 by using CSS with the max-width: 100%; height: auto; property to ensure the image scales appropriately based on the container size.

What is the purpose of the <meter> element in HTML5?

Answer: The <meter> element represents a scalar measurement within a known range, such as disk usage, completion progress, or ratings.

How do you define the character encoding in HTML5?

Answer: You can define the character encoding of an HTML5 document using the <meta charset="charset_name"> tag within the <head> section.

What is the purpose of the <nav> element in HTML5?

Answer: The <nav> element is used to define a section of navigation links.

How do you play video in HTML5?

Answer: You can play videos in HTML5 using the <video> element, providing the video source using the <source> element within the <video> tag.

What is the purpose of the async and defer attributes in HTML5 script tags?

Answer: The async and defer attributes control how the browser loads and executes external JavaScript files. async allows the script to be loaded asynchronously while not blocking HTML parsing, and defer delays script execution until the HTML parsing is complete.

How do you handle offline browsing in HTML5?

Answer: HTML5 provides an offline application caching feature, allowing you to specify which files should be cached for offline use using a manifest file.

What is the purpose of the <output> element in HTML5?

Answer: The <output> element is used to display the result of a calculation or the output of a script.

How do you include audio in HTML5?

Answer: You can include audio in HTML5 using the <audio> element, specifying the audio source using the <source> element within the <audio> tag.

What is the purpose of the <datalist> element in HTML5?

Answer: The <datalist> element provides a list of predefined options for an <input> element, allowing users to select a value from the list.

How do you create a responsive web design using HTML5?

Answer: You can create a responsive web design using HTML5 by utilizing CSS media queries, flexible grid systems, and responsive images to ensure that your website adapts to different screen sizes and devices.

What is the purpose of the <details> and <summary> elements in HTML5?

Answer: The <details> element isContinuing from the previous response, here are the remaining questions and answers:

What is the purpose of the <details> and <summary> elements in HTML5?

Answer: The <details> element is used to create an interactive widget that can be toggled to reveal or hide additional content, while the <summary> element provides a visible heading or summary for the details element.

What is the purpose of the srcset attribute in HTML5?

Answer: The `srcset` attribute is used to provide a set of image sources with different resolutions or sizes, allowing the browser to select the appropriate image based on the device's capabilities.

How do you create a responsive table in HTML5?

Answer: You can create a responsive table in HTML5 by wrapping the table in a container with a horizontal scrollbar and applying CSS styles to ensure the table adjusts its size and layout based on the screen width.

What is the purpose of the `<aside>` element in HTML5?

Answer: The `<aside>` element is used to mark content that is tangentially related to the main content, such as sidebars, pull quotes, or advertising sections.

How do you embed video in HTML5?

Answer: You can embed video in HTML5 using the `<video>` element, specifying the video source using the `<source>` element within the `<video>` tag.

What is the purpose of the `autofocus` attribute in HTML5?

Answer: The `autofocus` attribute is used to automatically focus on an input element when a page loads, saving the user from manually selecting the field.

How do you create a responsive navigation menu in HTML5?

Answer: You can create a responsive navigation menu in HTML5 by using CSS media queries and applying appropriate styles to change the layout and behavior of the menu based on the screen size.

What is the purpose of the `<meter>` element in HTML5?

Answer: The `<meter>` element represents a scalar measurement within a known range, such as disk usage, completion progress, or ratings.

How do you create an HTML5 form with validation?

Answer: You can create an HTML5 form with validation by using the new input types (email, url, number, etc.) and attributes (required, pattern, min, max, etc.) that are supported natively by modern browsers.

What is the purpose of the download attribute in HTML5?

Answer: The download attribute is used in <a> tags to specify that the target should be downloaded when clicked, rather than opening it in the browser.

How do you create a placeholder text in an input field in HTML5?

Answer: You can create placeholder text in an input field by using the placeholder attribute, which provides a hint or example text that disappears when the user starts typing.

What is the purpose of the <picture> element in HTML5?

Answer: The <picture> element allows you to specify multiple image sources and their corresponding media conditions, enabling the browser to select the most appropriate image based on the device and viewport size.

How do you create a sticky header in HTML5?

Answer: You can create a sticky header in HTML5 by using CSS with the position: sticky; property, which allows the header to "stick" to the top of the viewport as the user scrolls.

What is the purpose of the <time> element in HTML5?

Answer: The <time> element represents a specific time or a range of time, such as a date, a time, or a duration.

How do you create a progress bar in HTML5?

Answer: You can create a progress bar in HTML5 by using the <progress> element and setting its value and max attributes to indicate the current progress.

What is the purpose of the <main> element in HTML5?

Answer: The <main> element represents the main content of a document, providing the central topic or functionality.

How do you create a responsive image in HTML5?

Answer: You can create a responsive image in HTML5 by using CSS with the max-width: 100%; height: auto; property to ensure the image scales appropriately based on the container size.

What is the purpose of the contenteditable attribute in HTML5?

Answer: The contenteditable attribute allows you to make an element editable, enabling users to modify the content directly within the browser.

How do you use the Geolocation API in HTML5?

Answer: You can use the Geolocation API in HTML5 by calling the navigator.geolocation.getCurrentPosition() method, which prompts the user for permission to access their location and retrieves the current coordinates.

Here are 50 HTML questions with their answers:

What does HTML stand for?

Answer: HTML stands for Hypertext Markup Language.

What is the purpose of HTML?

Answer: HTML is used for creating the structure and content of web pages.

What is the DOCTYPE declaration in HTML?

Answer: The DOCTYPE declaration specifies the version of HTML being used in the document.

How do you create a hyperlink in HTML?

Answer: By using the anchor tag `<a>` and specifying the URL within the `href` attribute.

What is the difference between `<div>` and `` in HTML?

Answer: `<div>` is a block-level element used for grouping and formatting larger sections, while `` is an inline element used for grouping and formatting smaller portions of text.

What is the purpose of the `alt` attribute in the `` tag?

Answer: The `alt` attribute provides alternative text for an image, which is displayed if the image fails to load or for accessibility purposes.

How do you add comments in HTML?

Answer: Comments in HTML are added using the `<!-- -->` syntax.

What is the `<table>` element used for?

Answer: The `<table>` element is used for creating tabular data.

How do you create a numbered list in HTML?

Answer: By using the `` element and `` elements for each list item.

How do you create an unordered list in HTML?

Answer: By using the `` element and `` elements for each list item.

What is the purpose of the `<form>` tag in HTML?

Answer: The `<form>` tag is used to create an interactive form on a web page.

How do you specify the character encoding of an HTML document?

Answer: By using the `<meta charset="charset_name">` tag within the `<head>` section of the HTML document.

What is the purpose of the `<head>` section in HTML?

Answer: The `<head>` section contains meta information about the HTML document, such as the title, character encoding, and linked stylesheets.

What is the difference between padding and margin in CSS?

Answer: Padding is the space between the content and the border of an element, while margin is the space outside the border.

How do you create a line break in HTML?

Answer: By using the `
` tag.

What is the purpose of the `` tag in HTML?

Answer: The `` tag is used to indicate that the enclosed text should be emphasized.

What is the purpose of the `<meta>` tag in HTML?

Answer: The `<meta>` tag is used to provide metadata about an HTML document, such as keywords, description, and author.

What is the purpose of the `<iframe>` tag in HTML?

Answer: The `<iframe>` tag is used to embed another document within the current HTML document.

How do you create a checkbox in HTML?

Answer: By using the `<input type="checkbox">` tag.

How do you create a dropdown select box in HTML?

Answer: By using the <select> tag and nested <option> tags.

What is the purpose of the <label> tag in HTML?

Answer: The <label> tag is used to associate a label with a form element, providing a textual description or caption.

How do you create a button in HTML?

Answer: By using the <button> tag.

What is the purpose of the <meta viewport> tag?

Answer: The <meta viewport> tag is used to control the viewport's dimensions and scaling on mobile devices.

How do you add a background image to an element in CSS?

Answer: By using the background-image property in CSS.

How do you center an element horizontally in CSS?

Answer: By using the margin: 0 auto; property in CSS.

What is the purpose of the display: none; property in CSS?

Answer: It is used to hide an element from being displayed on the webpage.

What is the purpose of the float property in CSS?

Answer: The float property is used to position an element along the left or right side of its container, allowing text and other elements to wrap around it.

How do you apply CSS styles to an HTML element?

Answer: By using the style attribute within the HTML tag or by using an external CSS file.

What is the purpose of the text-align property in CSS?

Answer: The text-align property is used to control the horizontal alignment of text within an element.

How do you create a hyperlink that opens in a new tab?

Answer: By adding the target="_blank" attribute to the <a> tag.

What is the purpose of the z-index property in CSS?

Answer: The z-index property determines the stacking order of elements in relation to each other.

How do you create a fixed header that stays at the top of the page when scrolling?

Answer: By using CSS positioning, such as position: fixed; top: 0;.

What is the purpose of the border-radius property in CSS?

Answer: The border-radius property is used to create rounded corners on an element's border.

How do you include an external JavaScript file in an HTML document?

Answer: By using the <script src="filename.js"></script> tag within the <head> or <body> section.

What is the purpose of the document.getElementById() function in JavaScript?

Answer: The document.getElementById() function is used to access an HTML element by its ID.

How do you change the content of an HTML element using JavaScript?

Answer: By using the innerHTML property of the element.

What is the purpose of the onclick attribute in HTML?

Answer: The onclick attribute is used to specify a JavaScript function to be executed when an element is clicked.

How do you create a JavaScript array?

Answer: By using square brackets [] and separating each element with a comma.

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

Answer: == compares values for equality, performing type coercion if necessary, while === compares values for equality without type coercion, meaning the values and types must be identical.

How do you add a class to an element using JavaScript?

Answer: By using the classList.add() method.

What is the purpose of the querySelector() function in JavaScript?

Answer: The querySelector() function is used to select and return the first element that matches a specified CSS selector.

How do you prevent a form from submitting in JavaScript?

Answer: By using the event.preventDefault() method within a form's submit event handler.

What is the purpose of the <audio> tag in HTML?

Answer: The <audio> tag is used to embed audio content in an HTML document.

How do you create a progress bar in HTML?

Answer: By using the <progress> tag and specifying the value and max attributes.

Continuing from the previous response, here are the remaining HTML questions and answers:

What is the purpose of the <video> tag in HTML?

Answer: The <video> tag is used to embed video content in an HTML document.

How do you create a responsive web design in HTML?

Answer: By using CSS media queries, fluid grid layouts, and responsive images.

What is the purpose of the <canvas> tag in HTML?

Answer: The <canvas> tag provides a drawing surface for creating graphics, animations, and interactive content using JavaScript.

How do you create a hyperlink without an underline in HTML?

Answer: By using CSS and setting the text-decoration property to none for the <a> tag.

What is the purpose of the <nav> tag in HTML?

Answer: The <nav> tag is used to define a section of navigation links.

How do you create a responsive image in HTML?

Answer: By using CSS with the max-width: 100%; height: auto; property to ensure the image scales appropriately based on the container size.

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What is an iframe and how it works?

Q2: Explain meta tags in HTML

Q3: What is the purpose of the alt attribute on images?

Q4: What is the difference between span and div?

Q5: How Can I Get Indexed Better by Search Engines?

Q6: What were some of the key goals and motivations for the HTML5 specification?

Q7: How can you highlight text in HTML?

Q8: Briefly describe the correct usage of the following HTML5 semantic elements: <header>, <article>, <section>, <footer>

Q9: What is Character Encoding?

Q10: What is a self closing tag?

Q11: What's the difference between an "attribute" and a "property" in HTML?

Q12: When is it appropriate to use the small element?

Q13: Explain the difference between block elements and inline elements

Q14: Explain almost standard, full standard and quirks mode

Q15: How do you set IE compatibility mode?

Q16: What's new in HTML 5?

Q17: Have you used different HTML templating languages before?

Q18: How do you serve a page with content in multiple languages?

Q19: How do you change the direction of html text?

Q20: What is an optional tag?

Q21: What is the difference between <section> and <div>?

Q22: What are defer and async attributes on a <script> tag?

Q23: What is the purpose of cache busting and how can you achieve it?

Q24: What are some differences that XHTML has compared to HTML?

Q25: What are Web Workers?

Q26: Where and why is the rel="noopener" attribute used?

Q27: What is WebSQL?

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Q28: What does a DOCTYPE do?

Add to PDF *Mid*

Q29: Describe the difference between a 'cookie', 'sessionStorage' and 'localStorage'.

Add to PDF *Mid*

Q30: What is the DOM?

Add to PDF *Mid*

Q31: What is HTML5 Web Storage? Explain localStorage and sessionStorage.

Add to PDF *Mid*

Q32: Explain the difference between cookies, session and local storage

Add to PDF *Mid*

Q33: Can a web page contain multiple <header> elements? What about <footer> elements?

Q34: What are data- attributes good for?

Q35: Discuss the differences between an HTML specification and a browser's implementation thereof.

Q36: What is WebSQL?

Q37: What is the purpose of 'main' element?

Q38: What are the building blocks of HTML5?

Q39: Why to use HTML5 semantic tags?

Q40: Describe the difference between , and .

Q41: What is an HTML preprocessor and are you using it?

Q42: What is progressive rendering?

Q43: Why you would use a srcset attribute in an image tag? Explain the process the browser uses when evaluating the content of this attribute.

Q44: What kind of things must you be wary of when designing or developing for multilingual sites?

Q45: What is WebP?

Q46: How would you select svg or canvas for your site?

Q47: Why do I need a doctype and what does it do?

Q48: What's the difference between Full Standard, Almost Standard and Quirks Mode?

Q49: Could you generate a public key in HTML?

Q50: Why is it generally a good idea to position CSS s between and JS s just before ? Do you know any exceptions?

Q51: What is an IndexedDB?

Q52: What is accessibility & ARIA role means in a web application?

Q53: What are Web Components?