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Web technology interview questions and answers

1) Explain the key responsibilities of a Web ... localStorage sessionStorage No expiry is there for stored data The object is valid for only a single session Data is not deleted upon the closure of the window The object is immediately deleted upon closing the window 11. Web technologies are used to create, maintain and development of web applications and it collectively stands for World Wide Web. What are the five elements that support media content in HTML5?There are five main elements in HTML5 that support media: 5. With these programs, you can become an expert in Web Development and earn a course certificate as well. What is the difference between and ?The event is not called until a page is completely loaded with the entire styling from CSS and images. So we will have a brief look on web technologies and different topics which people may come across during the interview. It is true that every interview is different as per the different job profiles. 62. Automated builds and tests run with each code change to catch errors early. With SVG, the graphical content is of superior quality thereby providing the user with the ability to furnish high-quality images. Selectors and grouping can be used to apply styles easily. Advanced Web Developer Interview Questions The following will cover the web developer interview questions for seniors or working professionals but we suggest you go through them even if you are a fresher or an intermediate web developer candidate. Web Developer Interview Questions for Experienced 25. Single-line comments and multi-line comments. What is the use of a class selector in CSS?Class selectors in CSS begin with a "." (period) key and are followed by the name of the class. 41. They are denoted by the "greater than" symbol (>) and allow developers to apply styles or perform actions exclusively on immediate child elements. 61. 42. These improvements make writing CSS more efficient, reusable, and maintainable. Most Asked Web Developer Interview Questions For Freshers 1. CTASince Full Stack Web Development has lifted off to be a market worth billions of dollars, it should come as no surprise to you that this creates a vast amount of job openings for full stack web developers across the world. 16. They provide large amounts of savings in the bandwidth. The state makes the web feel more like an interactive application. The answer is based on your learning, experience, and proficiency in this field. Let us move to the next Web Technology Interview Questions Answer: The z-index in CSS is a property which is used to define the stack order of the elements based on which elements will display on the web page (i.e. higher order elements will display before the lower order elements in the web page) and we can apply z-index only to position elements like position: absolute, position: relative, position: fixed etc. They allow for the style control of multiple documents through a single file. Answer: In JavaScript, there are three types of popup boxes we can use and they are as below Alert: This popup box will display a message with an Ok button to proceed further. These questions are divided into two parts as as follows: Part 1 - Web Technology Interview Questions (Basic) This first part covers basic Web Technology Interview Questions and Answers Q1. CDNs cause a significant reduction in the load for the server. It is important to note that Webkit is just one of several browser engines, with others including Gecko (used by Mozilla Firefox), Presto (used by older versions of Opera), and EdgeHTML (used by Microsoft Edge prior to its switch to Chromium). Answer: The box model is common in HTML as everything mostly will represent in form of boxes only. It hosts the resources of the website on multiple servers and lets the user download the data from the nearest servers available. It enables personalized experiences, like showing someone their account settings page after they log in. 19. What are the newly introduced input types in HTML5?HTML5 has had multiple revamps in the past years, and the addition of input types has made it very easy to work with. Web frameworks such as JavaScript and Python and client-side technologies or programming languages such as HTML, CSS, and JavaScript. 40. The next web application interview question comprises an important difference. Let us move to the next Web Technology Interview Questions Q3. Confirm: This popup window will have display a message with an Ok and Cancel buttons and we need to click one to proceed further. SOAP REST A Web Development Protocol An architectural platform Works with XML Works with XML, HTML, and plain text SOAP cannot use REST REST can make use of SOAP 2. A simple example of grouping is as shown below: #grouped g, ul { padding-top: 20px; margin: 1; } 17. 44. Git enables distributed teams to develop software efficiently by versioning source code and facilitating parallel workflows. This modular approach makes applications easier to develop, maintain, and scale. It provides the necessary functionality for rendering web content and ensuring consistency across different platforms. Answer: In general, an undefined value will be assigned to a particular variable when a variable is declared but not assigned any value to it than the JavaScript engine assigns some garbage value to that variable. Session Storage: Whereas session storage keeps objects in it up to when the session is alive and it clears the data stored in it when the session is closed. Prompt: This popup is a dialog box which asks input from a user and has Ok and Cancels buttons after entering user input to proceed further. Next up on this top Web Developer interview questions and answers, let us understand the difference between canvas and SVG. Part 2 - Web Technology Interview Questions (Advanced) Let us now have a look at the advanced Web Technology Interview Questions. With the event, it will wait only till the DOM is initialized and will begin the event action. It automatically adjusts the structure of the web page based on the device it is viewed on to provide optimal viewing experience. What are the advantages of using a Content Delivery Network (CDN) in jQuery?CDNs are widely used in jQuery as they offer an ample number of advantages for users. What is the use of the attribute in JavaScript?The attribute is used as a boolean type attribute. What is the use of grouping in CSS3?Grouping is used in CSS3 to give users the ability to reuse and apply the same CSS style element to multiple HTML entities, using just one single declaration statement. SSR ensures search engines can fully access and read web page content. A developer will think these as a programming language, Frameworks, and data storage mechanism services which are helpful in the setup of platforms and web applications which can be a host on the web using World Wide Web. 15. 55. How can page loading time be reduced?There are many factors that affect the page loading time of a website. How can you prioritize SEO, maintainability, performance, and security in a web application?This is a commonly asked question in a Web Development interview. Check it out below. This ensures to reduce any delays in actions. Q5. There are numerous examples of when you use a pseudo-class: For the style change when the mouse moves over the element For out-of-focus animations For providing styles for external links 30. What is the difference between Canvas and SVG? Padding: This component defines the spacing in the box model that is the positioning of elements in the box. 58. Examples of non-semantic elements; and - Tell nothing about its content. Recommended Articles This has been a guide to the list of Web Technology Interview Questions and Answers. Consider the following example: var undefVar; alert(undefVar); // undefined variable alert(notDeclared); // accessing an undeclared variable 51. In this 2023 Web Technology Interview Questions article, we shall present 10 most important and frequently asked Web Technology Interview Questions. I hope you are preparing well for the interview and this article will help you further in the preparation and enables you to crack the interview. It is used to select a statement and modify the style of that element in the corresponding part of the HTML tag. If it is a large firm, then security will get higher priority over SEO. This object resides inside a method, and the keyword is used for referencing the corresponding variable or the object. We have a large collection of free Web Technologies questions to practice that are frequently asked in interviews and ... 48. 10. The connection will timeout only when the data is sent to the client or after the timeout criteria are met. What is the difference between localStorage and sessionStorage objects? A little groundwork about the company should help you answer this question. Child selectors are useful for creating refined and granular styles, controlling the appearance of specific child elements within a parent container, and achieving more precise CSS targeting. The server is not able to remember them, as the requests are stateless. 32. Web technology is a front-end programming language used for web development (front end development of a website). 50. Consider the following example: div { position: fixed; left: 15px; top: 20px; z-index: -1; } 33. Answer: As JavaScript is a dynamic language as per ECMS standards and weekly typed which means in JavaScript, we can use a function as an argument to the other function (one function accepts another function as an argument). What is Continuous Integration (CI)?Continuous Integration is a coding practice where developers regularly merge code changes into a shared repository. XHTML HTML Tags should be in lowercase It is not case sensitive Tags should be closed once opened Open-ended tags can be used Attributes must be enclosed in double quotes Attributes can be used without quotation marks 38. 64. Answer: The new form elements introduced in HTML5 are as below: Output: This form element defines the result of an expression. 52. The graphical content it can render is based on an XML format. What is the use of CORS?CORS stands for Cross-origin Resource Sharing. It is used to display vector-based graphics over the web. 18. How JavaScript handles automatic type conversion of variables? It simplifies the process of applying operations or modifications to multiple elements in an efficient and concise manner. It is denoted in the following example: #example {padding: 20px;} ; ... Web technology can also be defined as mediator or medium between a server (web server) and client (web client). Consider the following example: var globalVariable = "This is a Global variable"; // Code present here can use globalVariable function myFunction() { // Code present here can also use globalVariable } 49. Margin: This component is the top layer of the CSS box model. In the market, there are some rendering tool engines for other browsers such as Presto for Opera, Gecko for Mozilla Firefox and Microsoft Edge for Internet Explorer. Alert: Presents users with a message and an 'Ok' button Confirm: Gives the users a window with 'Ok' and 'Cancel' buttons Prompt: Shows the user input, alongside 'Ok' and 'Cancel' buttons 46. This ensures that there are no errors or data type-associated warnings as values get converted to the required data type automatically. One person, known as the "driver," writes the code while the other, called the "observer" or "navigator," actively reviews the code being written. The difference between Canvas and SVG is defined as below: Canvas doesn't provide support for event handlers, depends on the resolution, ideal for graphic-intensive games development, and works for only small rendering areas of the web page whereas SVG doesn't depend on the resolution and provides support for event handlers, not suitable for gaming, and performs well for the rendering of large areas like Google map etc. Explain the use of Semantic HTML.HTML tags clearly describe the meaning of the tag to both the user as well as the browser. Here we have listed the most useful 10 interview sets of questions so that the jobseeker can crack the interview with ease. Each microservice focuses on a specific capability and can be developed and updated independently. Whereas, if it is a publication firm, SEO gets the preference. Consider the following example: div { float: right; } Here, the contents of div will be placed on the right side of the screen. What is the difference between undefined value and Null value in JavaScript?What is the meaning of the scope of a variable in JavaScript?Scope refers to the accessibility of functions and underlying variables in the running environment. They are given below: Reduction in the image size Removal of unnecessary widgets HTTP compression Reduction in lookups Minimal redirection and caching 9. Canvas SVG Resolution dependent Resolution independent Does not support event handlers Supports event handlers Works well for small-scale rendering applications Performs better for large-scale rendering applications 8. There are a variety of methods in to allow for the drawing of paths, circles, boxes, images, and more. Q10. 63. What is the use of a selector in CSS?A CSS selector is used with a rule in the inline elements, which require styling. The Front end majorly makes use of HTML, CSS, and JavaScript to create interactive web pages. This can be used to cancel actions like form submission or link navigation when certain conditions are not met. It can easily be implemented in CSS3 using the following code: 27. How can pagination be implemented?Pagination is a simple sequence of pages on a website. Answer: This is the most asked Web Technology Interview Questions in an interview. Answer: The difference between session storage and local storage is described as below Local Storage: In local storage, objects don't have any expiry for the data stored in it and local storage object have no permission to delete the data after the browser is closed. They continuously switch roles, fostering teamwork, knowledge sharing, and code quality. BEM improves CSS readability, maintenance, and scalability by making class names more meaningful. What is RESTful API design?RESTful APIs are web services used to send data between a client and a server as HTTP requests. It helps organize code by naming classes after the HTML components they style. - 1 Web Technology Interview Questions and Answers with Explanation. CTAWe hope these Full Stack developer course interview questions will help you prepare for your upcoming interviews. Here, we have prepared the important Web Technology Interview Questions and Answers which will help you get success in your interview. Explain the concept of state in web applications, and how does it enhance the user experience compared to static web pages?State means saving information about the user as they use the site. The property has four attributes for four corners: 26. 65. Q7. With the help of selectors, it is easy to find and select HTML elements based on factors, such as name, ID, attribute, etc. This can easily be applied to all four sides or as per requirement. What are undefined and undeclared variables in JavaScript?Variables that have been declared already but not initialized are known as undefined variables. This makes content immediately available to search engine crawlers for indexing, improving SEO. Without using state, web pages would just be static documents that are the same for every visitor. Content: This component represents the content needs to show in the box. In order to use Webkit in web pages we need to render "webkit" along with CSS in HTML code. What are the components of the CSS box model?The CSS box model is used to represent an entity that encloses all of the HTML content into a box or a button element. Get 100% Hike!Master Most in Demand Skills Now! 7. Keygen: This form element is used to generate encrypted keys. Some of the benefits are as follows: Classes can be reused any number of times. Download the Web Developer Interview Questions PDF to prepare for interviews offline. How does a CDN enhance website performance?Content Delivery Network, also called CDN, is needed to increase the performance of websites. 3. 53. What are some of the elements External CSS: Used to import an external CSS file to the HTML document Embedded CSS: Used to add CSS styles by making use of the attribute 14. It provides the code for the comma part and allows the developer to focus on the unique part of the website. But there is nothing to worry about as this Top Web Developer Interview Questions blog is carefully curated by handpicking questions that have the highest probability of occurrence in your web development interview. How can styles or classes be changed in elements using JavaScript?JavaScript can be used to easily modify classes and styles in an element by making use of the following syntax: Modify styles: document.getElementById("input").style.fontSize = "10"; Modify class: document.getElementById("button").className = "classname"; Next up on this top Web Development interview questions and answers blog, let us take a look at the advanced set of questions. Learn and Practice Online Web Development, Developer, Design Interview Questions with Answers for Freshers or Experienced Pdf Download for various Competitive Exams and Entrance Test. This reflects the relationship between structure and appearance. 35. A simple example is the page selector on an e-commerce site that allows the users to browse through the products present on multiple pages rather than scrolling up and down on one single page. In the present job market, there are many job openings for web developers. The event does add a bit of delay when rendering a web page. Answer: This is the basic Web Technology Interview Questions asked in an interview. It coordinates collaboration by managing code history and merging updated code from different contributors. Some of the features that were added and are very popularly used now are: Rounded corners Animation Custom layout Media queries 12. What is the purpose of a Doctype in HTML?The purpose of Doctype declaration in HTML is to tell the browser in what version of HTML the code is written. What is the difference between session storage and local storage objects in HTML? The null value is an object whereas undefined value is a type. The state allows the website to be dynamic. It provides a convenient way to modify attributes, styles, content, and apply event handlers to selected elements using a concise and intuitive syntax. Examples of semantic elements: ., and - Clearly define its content. What are the new form elements in HTML5? Web Development technologies that you know?This question is very common in a Web Development interview. What is the use of a namespace in Web Development?A namespace is a simple global object that is used to hold methods, properties, and other objects in them. WebSockets allow bi-directional communication, meaning the client and server can send data to each other at any period. Cookies Local Storage Cookie data is accessible for both the client and the server Data is stored only on the local browser on the client-side machine Cookies have an expiration time, and data gets deleted post expiration There is no expiration in local storage unless the data is manually deleted In the next set of interview questions for web developers, we have a very important question regarding HTML and XHTML. 59. If you are looking to learn Full Stack developer course with placement guarantee in a systematic manner with expert guidance and support then you can check our Full Stack development course. CDNs have a caching ability that adds to quicker load times. What is the use of the \$() function in jQuery?The \$() function in jQuery is used for selecting and manipulating HTML elements. e.g: div (- Position: absolute; Left: 10px; z-index: -1;) Q9. We can use NodeJS and ExpressJS together to implement the backend. It is used to delay the execution of the JavaScript code on a web page until the parser completely loads and initializes the page. It also makes sure that the page is displayed in the browser correctly. However, some methods can be implemented to reduce it drastically. 13. It has codes that are common for different websites, such as authentication. 22. How do CSS preprocessors enhance CSS coding?CSS preprocessors like SASS and LESS extend regular CSS with extra features. What is the method used to submit forms in JavaScript?Forms can be submitted easily in JavaScript by calling the following method: document.forms[0].submit(); Here, the '0' denotes the index of the form. 57. A web framework, also called WAF, is a pre-built set of libraries that help the developer create the website. 54. This makes RESTful APIs adaptable and flexible. How does Server-Side Rendering (SSR) benefit SEO?With Server-Side Rendering (SSR), web pages are generated on the server before being sent to the browser. What is the use of media queries in CSS3?Media queries are used to define styles in CSS, which are defined as the process of communication between two computers means by which two computers communicate between them using a Markup language and different multimedia packages is called web technology. Explain microservices architecture.Microservice architecture splits up an application into smaller, self-contained services instead of one large application. It is a mechanism that allows a variety of resources to be requested at a time from a domain that is outside the current request domain. Any element can be placed on the web page as per requirement. The APIs which are approved by HTML5 are media API, application cache API, text tracking API, history API, data transfer API, command API, user interaction API, and constraint validation API are the APIs approved by HTML5 recently. Study these diligently and understand how you should approach the questions and effectively answer them. 34. jQuery frameworks load faster due to optimizations. Conclusion Finally, it's an overview of interview questions and topics discussed on web technologies. What is the use of the each() function in jQuery?The each() function in jQuery is used to iterate over a collection of elements and perform a specified action for each element. Single-line comment: "/" This is a single-line comment Multi-line comment: /* */ is used to add multi-line comments Example: /* This is a multi-line comment*/ Coming to the next set of interview questions for web developers, here is a common question for JavaScript. You may also look at the following articles to learn more - Following is a list of most frequently asked Web Developer interview questions and their best possible answers. 23. What is the difference between XHTML and HTML? It works on the basis of order indices, where a higher-order element will appear before a lower-order element. What are some of the properties of transitions in CSS3?Transitions in CSS3 are easy to use, and they provide users with rapid and efficient animation effects. The four main properties present in the transitions are: transition-delay transition-duration transition-property transition-timing-function 29. What are the different types of popup boxes available in JavaScript? They are used to adjust the following entities: Height Width Viewport Resolution Orientation 31. What is pagination? 43. Answer: Webkit is a core software component or module which will render the HTML code and CSS on different browsers like Chrome and Safari. What is Responsive Web Design (RWD) in HTML and CSS?Responsive Web Design is a concept that is used to create web pages that can scale across multiple resolutions without any loss of information or screen tearing. What is a web application framework? Let us see an example as below: .box-shadow { -webkit-box-shadow : 0px 5px 0px 5px #ffff; .box-shadow : 0px 0px 5px 5px #ffff; } Q2. JavaScript handles automatic type conversion as it supports auto-type conversion whenever a variable or expression or statement is not getting its type as input then JavaScript will perform auto-type conversion to match the variable data type. What is the difference between SOAP and REST? Now, if you are looking for a job which is related to Web Technology then you need to prepare for the 2023 Web Technology Interview Questions. Can you give an example of using an ID selector in CSS?The ID selector is used in CSS to point to a target element for usage. What is the use of pseudo-classes in CSS? Pseudo-classes are used as a popular technique in CSS to change the style of an element when this element changes its state. 6. What is the use of Webkit in CSS3? There are four components: Border: Denotes the padding and content around the border Content: Refers to the actual content to be displayed Margin: Refers to the top layer of the box element Padding: Defines the empty space around the element 28. It adds ease of use via modularity, thereby, providing users with the ability to reuse the code and avoid naming conflicts. Describe the significance of Git in web development.Git tracks all changes made to code and allows multiple developers to work together without overwriting each other's changes. What is the meaning of long polling in Web Development?Long polling is a development pattern that is used to emulate a data push operation from a server to a client machine. 21. What is the use of Webkit in CSS3?Webkit is a rendering engine used in CSS3 to display HTML and CSS elements on various web browsers, including Chrome, Safari, and earlier versions of Opera. Here, the interviewer is trying to assess your understanding of the working environment in the firm you've applied for. Why is keyword used a lot in JavaScript?The keyword is used to access the current object present in a program. Since it is weakly typed, you can pass a function as an argument into another function easily. What does frontend development entail?Front-end development refers to the visuals that you may see on the web pages, where end users may interact with some of the web elements. These languages are HTML, CSS, and JavaScript where HTML is Hyper Text Markup Language, CSS Cascading Style Sheet for styling the web page and JavaScript is used for the backend of the web development. 60. Q6. Whereas Null value is assigned to a variable when a variable is declared and assigned with null value in code. What is the difference between cookies and local storage? What is Pair Programming?Pair programming is a collaborative software development approach in which two programmers work together on the same task. Next up on this common Web Developer interview questions and answers blog, let us take a look at the intermediate set of questions.

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