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| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **JavaScript** | |  |  |  |  |  |  |  |  |  |  |  |  |  | | Easy questions |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | What are the basic types in JS? |  |  |  | **How you note the questions** |  |  |  |  |  |  |  |  |  |  | | Compare '===' vs '=='. What is your choice and why? |  |  | 1 | Does not know how to answer |  |  |  |  |  |  |  |  |  |  | | What is event delegation? |  |  | 2 | He heard about the term |  |  |  |  |  |  |  |  |  |  | | What is event bubbling? |  |  | 3 | Answers but he is unsure of the answers, tries to guess |  |  |  |  |  |  |  |  |  |  | | Explain the differences between null, undefined and undeclared |  |  | 4 | He answers partially |  |  |  |  |  |  |  |  |  |  | | Explain DOM manipulation. Access elements, operations. |  |  | 5 | He answers corectly |  |  |  |  |  |  |  |  |  |  | | What is the return type of logical operators (||, &&)? |  |  | 6 | He answers corectly and gives a practical example |  |  |  |  |  |  |  |  |  |  | | Describe the difference between the various types of variable scope. |  |  | 7 | He used the terms from the questions in practice at least once |  |  |  |  |  |  |  |  |  |  | | Medium questions |  |  | 8 | He used the terms from the questions and has good practical experience with it |  |  |  |  |  |  |  |  |  |  | | What is the difference between Function Declarations and Function Expressions? What does IIFE mean? |  |  | 9 | He held coaching on thi matter for other coleguess OR has expert knowledge |  |  |  |  |  |  |  |  |  |  | | What is the purpose of 'use strict' and how to use it? |  |  | 10 | He held coaching on this matter for other coleguess AND has expert knowledge |  |  |  |  |  |  |  |  |  |  | | What is the difference between using call() and apply() to invoke a function with multiple arguments? Is it possible to use bind() to achieve a similar result? |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | Explain function closure |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | What is a promise? |  |  |  | **JavaScript average** |  |  |  |  |  |  |  |  |  |  | | What is AJAX / XHR? How does it work? |  |  |  | 0.00 |  |  |  |  |  |  |  |  |  |  | | What is the difference between Array.prototype.map(), Array.prototype.reduce() and Array.prototype.forEach()? How are they different from standard looping constructs? |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | What is block scope? How can it be achieved? Are there any known limitations? |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | Complex questions |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | Explain Critical Rendering Path |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | Explain "hoisting" |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | Describe web workers |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | What is the event loop? |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | What are repaint & reflow? When do they occur? |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | What JS transpilers / bundling systems are you familiar with? Can you explain how they work? |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **Items to be evaluated (to be filled in Interview Summary document)** |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | Data types and variables |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | Functions |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | Prototype and OOP |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | Debugging |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | Libraries (e.g. jQuery) |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | Client MV\* frameworks |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | Object Manipulation |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | Templating |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | Testing (unit, middleware, E2E) |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | Web sockets |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | Promises |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | DOM Manipulation |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | Event Handling |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | AJAX |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | Tooling |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | Browser Engines |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | |
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| **HTML** | | |  | |  |  |
| Easy questions | |  |  | |  |  |
| What does DOCTYPE do? | |  |  | |  | **How you note the questions** |
| Name at least 2 differences between HTML & XHTML | |  |  | | 1 | Does not know how to answer |
| How many list types exist and what are they? | |  |  | | 2 | He heard about the term |
| What is an <ul> tag? | |  |  | | 3 | Answers but he is unsure of the answers, tries to guess |
| How do you create bold text in HTML using a tag? | |  |  | | 4 | He answers partially |
| How do you create a link in HTML? | |  |  | | 5 | He answers corectly |
| Name HTML tags used for tables that are specific | |  |  | | 6 | He answers corectly and gives a practical example |
| What is the difference in display between <div> and <span> elements? | |  |  | | 7 | He used the terms from the questions in practice at least once |
| If you don't specify the width of a <div> element in HTML what will the default width be? | |  |  | | 8 | He used the terms from the questions and has good practical experience with it |
| Can you declare the <thead> after the <tbody> in a table? | |  |  | | 9 | He held coaching on thi matter for other coleguess OR has expert knowledge |
|  | |  |  | | 10 | He held coaching on this matter for other coleguess AND has expert knowledge |
| Medium questions | |  |  | |  |  |
| What is the DOCTYPE for HTML5? | |  |  | |  |  |
| Name some HTML5 tags | |  |  | |  |  |
| To include an external CSS file, what tag would you use? | |  |  | |  | **HTML average** |
| Using HTML5, what tag should be used for menu? | |  |  | |  | 0.00 |
| Name at least 2 tags that are not supported any more with HTML5 | |  |  | |  |  |
| What attribute would you use to make input field not editable? | |  |  | |  |  |
| How do you tell a form in HTML what HTTP method it should use? | |  |  | |  |  |
| If you want to upload a file what attribute do you need to set? | |  |  | |  |  |
| Name possible type values that can be set to input element | |  |  | |  |  |
| If you want a script to be in head tag and should not block render, what attributes should you set? | | |  | |  |  |
| What attribute should you use in HTML to attach a click event to an element? | |  |  | |  |  |
| Complex questions | |  |  | |  |  |
| What attribute can be set on a form element to call some JavaScript for form validation? | |  |  | |  |  |
| How many H1 tags should be on a page? | |  |  | |  |  |
| What attribute should be used for <img> that will help SEO? | |  |  | |  |  |
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| **Items to be evaluated (to be filled in Interview Summary document)** | |  |  | |  |  |
| Doctype | |  |  | |  |  |
| Syntax rules | |  |  | |  |  |
| Tags | |  |  | |  |  |
| Attributes | |  |  | |  |  |
| Basic SEO | |  |  | |  |  |
|  | |  |  | |  |  |
| CSS  Easy questions  What are the options for applying CSS to an HTML document? How you note the questions  How can you override an inline style? 1 Does not know how to answer  What is the result of two separate external stylesheets defining conflicting rules (or the same stylesheet defining multiple conflicting rules) for the same element(s)? 2 He heard about the term  Is it possible to include an external stylesheet in another stylesheet? 3 Answers but he is unsure of the answers, tries to guess  What (types of) selectors does CSS provide? 4 He answers partially  Is it possible to target an element based on its relationship to another element (e.g., B is a descendant of A, or B immediately follows A)? 5 He answers corectly  "How can you style a certain element based on user interaction (e.g., on mouse over or when an input is selected)?  " 6 He answers corectly and gives a practical example  How would you target all inputs of type "number" for styling? 7 He used the terms from the questions in practice at least once  "How can you style a certain element based on user interaction (e.g., on mouse over or when an input is selected)?  " 8 He used the terms from the questions and has good practical experience with it  How would you target all inputs of type "number" for styling? 9 He held coaching on thi matter for other coleguess OR has expert knowledge  What CSS properties affect an element's box model? 10 He held coaching on this matter for other coleguess AND has expert knowledge  How can you specify the border / padding / margin of an element?  What values does the display property accept?  What does the float property do? What about clear?  Other easy questions asked by the interviewer CSS average  0.00      Medium questions  How does the browser calculate the priority of a certain rule?  How can you control the way the browser calculates the dimensions of an element relative to its box model?  How can you control the position of an element? What are the differences between each type of positioning?  How can you modify an element to display its text as lowercase / uppercase through CSS?  What does the text-overflow property do?  "How can you force a piece of text to be displayed on a single line, regardless of its length?  "  How can you add a strikethrough effect for a piece of text?  Other medium questions asked by the interviewer      Complex questions  What are media queries useful for? How can you define a media query?  Is it possible to use a custom font that is not web-safe?  What are CSS transitions useful for?  "What types of transforms can an element support?  "  Is it possible to animate an element using CSS?  What are some of the common benefits that a CSS preprocessor offers?  What are LESS / SASS variables? How can you use them?  How would you rewrite a larger piece of commonly used CSS code with a preprocessor?  How would you rewrite a definition to inherit rules from other definitions using a preprocessor?  Other difficult questions asked by the interviewer    Items to be evaluated (to be filled in Interview Summary document)  Usage  Selectors  Box Modelling and positioning  Styling  Dynamic Stylesheets  CSS 3.0 | |  |  | |  |  |