DWA_02.8 Knowledge Check_DWA2

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1. What do ES5, ES6 and ES2015 mean - and what are the differences between them?

ES5, ES6, and ES2015 are various versions of rules for writing JavaScript, which are different versions of itself. ES5, released in 2009, improved how we work with data by adding stricter rules and better ways to handle lists and data. ES6, a major upgrade in 2015, introduced shortcuts for writing functions, classes, and handling text more easily. People often use ES2015 to mean the same thing as ES6, referring to the year it was made.

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2. What are JScript, ActionScript and ECMAScript - and how do they relate to JavaScript?
- JScript: Microsoft's scripting language for dynamic web content in Internet Explorer, similar to JavaScript.
- ActionScript: Adobe's language for interactive content in Flash and AIR, based on ECMAScript.
- ECMAScript: Standardized scripting language specification, the basis of JavaScript. Other languages such as JScript and ActionScript are also based on it.

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3. What is an example of a JavaScript specification - and where can you find it?

The ECMAScript Language Specification is an example of a JavaScript specification. The specification outlines of the syntax, semantics, and behavior of the JavaScript language.

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4. What are v8, SpiderMonkey, Chakra and Tamarin? Do they run JavaScript differently?

JavaScript engines are like special tools that make your web browser understand and run JavaScript code. Imagine them as translators for your computer. Four popular ones are V8 (for Chrome), SpiderMonkey (for Firefox), Chakra (for old Edge), and Tamarin (for Flash). They turn JavaScript into something your computer can read quickly, but they work a bit differently, affecting how fast code runs and what it can do.

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5. Show a practical example using **caniuse.com** and the MDN compatibility table.

Chrome	Edge	Safari	Firefox	Opera	IE ⚠	Chrome for Android	Safari on iOS	Samsung Internet	Opera Mini	Opera Mobile	UC Browser for Android	Android Browser	Firefox for Android	QQ Browser	Baidu Browser	KaiOS Browser
4-27		3.1-8	2-21	10-12.1			3.2-8.4					2.1-4.3				
28-115	12-114	9-16.4	22-115	15-100	6-10		9-16.4	4-20		12-12.1		4.4-4.4.4				2.5
116	115	16.5	116	101	11	115	16.5	21	all	73	15.5	115	115	13.1	13.18	3.1
117-119		16.6-TP	117-119				16.6-17									

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