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 refer to versions of ECMAScript, which is the standardized specification that JavaScript is based on:
ES5 is ECMAScript 5, released in 2009. It added features like strict mode, JSON, etc.

ES6 is a informal name for ECMAScript 2015, released in 2015. It introduced many new features like classes, modules, arrow functions, etc.

ES2015 is the official name for the ECMAScript version released in 2015, which is the same update as ES6.

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2. What are JScript, ActionScript and ECMAScript - and how do they relate to JavaScript?
JScript is Microsoft's dialect of ECMAScript used in Internet Explorer. ActionScript is Adobe's implementation used for Flash. ECMAScript is the standardized specification that JavaScript, JScript and ActionScript are based on.

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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. It defines standardized behavior for implementations of ECMAScript to adhere to. It can be found on the ECMA International website.

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4. What are v8, SpiderMonkey, Chakra and Tamarin? Do they run JavaScript differently?
V8, SpiderMonkey, Chakra and Tamarin are different JavaScript engines that interpret and execute JavaScript code:

V8 is Google's open source engine used in Chrome and Node.js.
SpiderMonkey is Mozilla's engine for Firefox.
Chakra is Microsoft's engine for Microsoft Edge.
Tamarin was Adobe's engine that was used for ActionScript.

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

JavaScript modules: dynamic import() 📄 - OTHER

Loading JavaScript modules dynamically using the import() syntax

Current aligned | Usage relative | Date relative   Filtered | All ⚙

Usage   % of all users   ?
Global   93.98%

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	B
			2-65												
4-62	12-18	3.1-11	66	10-49			3.2-10.3	4-7.4							
63-116	79-116	11.1-16.6	67-116	50-101	6-10		11-16.6	8.2-21		12-12.1		2.1-4.4.4			
117	117	17.0	117	102	11	117	17.0	22	all	73	15.5	117	117	13.1	
118-120		17.1-TP	118-120				17.1								

Notes   Test on a real browser   Known issues (1)   Resources (7)   Feedback

① Support can be enabled via `javascript.options.dynamicImport` flag. See [bug 1517546](#).

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