

DWA_02.8 Knowledge Check_DWA2

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

ES5, ES6 and ES2015 are all versions of the ECMAScript standard, which is the blueprint of a programming language called JavaScript.

ES5 is an older version of JavaScript. It's like a set of instructions that developers follow to write code for web browsers. ES6 is an updated and improved version of JavaScript with new features and enhancements.

The difference between ES5 and ES6 is ES5, was the first major revision to JavaScript. ES6 was the second major revision to JavaScript, ECMAScript 2015 is also known as ES6.

2. What are JScript, ActionScript and ECMAScript - and how do they relate to JavaScript?

JScript is Microsoft's version of JavaScript, ActionScript was used for interactive content in Adobe Flash and ECMAScript is the official standard for scripting languages, and it serves as the foundation for JavaScript. They all relate to JavaScript in that they are all scripting languages. They all have some common roots in ECMAScript, which sets the basic rules for how they work.

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

An example of a JavaScript specification is the 14th edition of ECMA-262, this specification defines the ECMAScript 2023 general-purpose programming language, which is the latest version of JavaScript. It contains the most in-depth, detailed, and formalized information about JavaScript, such as its grammar, data types, built-in objects, expressions, statements, functions, modules, classes, promises, iterators, generators, async/await, decorators, private fields, and more.

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

V8 is the JavaScript engine developed by Google. It is used in the Google Chrome web browser and other applications, such as Node.js.

SpiderMonkey is the JavaScript engine developed by Mozilla and is used in the Firefox web browser.

Chakra was Microsoft's JavaScript engine used in Internet Explorer and later in Microsoft Edge.

Tamarin was a JavaScript engine developed by Adobe.

Yes they do run JavaScript differently.

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

On caniuse.com, CSS Grid is compatible with Chrome 117, it's Support info is Supported and the Browser version was released Sep 12, 2023, the Usage Global is 0.02%

On MDN compatibility table Fetch Api is compatible with Chrome 42(Released 2015-04-14), Full support.
