

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 specification which is the standardized specialization for JavaScript. Each version introduces new features, syntax enhancements and improvements to the language.

ES5 introduced some important features such as: strict mode, JSON support and enhanced array methods

ES6 introduced features like block scoped variables, arrow functions, template literals, classes, modules and more

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

JScript is Microsoft's dialect of the ECMAScript that is used in Microsoft's internet explorer

ActionScript is a scripting language primarily associated with Adobe flash, a multimedia and software platform for creating interactive content.

ECMAScript is a standardized specification that forms the basis for languages like JavaScript and Jscript

These languages are all related to JavaScript in the sense that they are all based on ECMAScript and share common roots and syntax

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

An example of the JavaScript specification is the ECMAScript specification which is the standard for the JavaScript language. You can find it on the official website of the ECMA international

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

V8- is the open-source JavaScript engine developed by google and is primarily used in google chrome and Node.js to execute JavaScript code

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SpiderMonkey- is an open source javascript engine developed by Mozilla it is primarily used as a javascript engine in the Mozilla firefox web browser.

Chakra- is a JScript engine developed by microsoft and is used in the internet explorer web browser

Tamarin- is a discontinued free software virtual machine with Just In Time compilation support intended to implement the 4th edition of the ECMAScript language standard
These are all JavaScript engines but they are developed and by different software platforms and run javascript in different platforms

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

