

# 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 is short for ECMAScript5, while ES6 and ES2015 are technically the same thing as ES6 was renamed to ES2015 in order to bring light to its release.

The differences between ES5 and ES6 is that ES6 just cleans up a lot of syntax in the language now. For instance in ES5 an object is made using a function.

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

JScript is the reverse engineered language that Microsoft had to develop in order to keep up with the originally created JavaScript.

ActionScript is an object-oriented script.

ECMAScript is a blueprint that is used when creating a new programming language.

All of these relate to JavaScript by either, having been created through the idea of JavaScript or the fact that JavaScript (in the case of ECMAScript) is simply an implementation of the ECMAScript.

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

An example would be the **ECMA 262: 1st Edition**,

which in short ensures that single-line comments are not executed by the compiler, that single-line comments should always start with a "//", and that single-line comments accept any character except for line-breaks and end after the line-break.

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

These are all different types of JavaScript compilers, which are used by different browsers. They have different ways of interacting with JavaScript code, that might not necessarily run it differently.

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5. Show a practical example using [caniuse.com](https://caniuse.com) and the MDN compatibility table. If i were to type in "can i use '<video>' " into the search bar of caniuse.com, the search results should bring back all the possible browsers that it would be capable of having such an element run on. It will also show which versions of which browsers are compatible with it as well as those which are not.

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