

# 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?

ES is an abbreviation of ECMAScript. ES5 and ES2015 or ES6 are the fifth and sixth versions of the ECMA Script respectively. ES5 stands for ECMAScript 5. It is also called ECMAScript 2009 whereas ES6 stands for ECMAScript 6. It is also called ECMAScript 2015.

ES5 is the fifth version or edition of ECMAScript while ES2015 is the sixth edition/version of ECMAScript. ES5 supports primitive data types such as strings, number, boolean, null and undefined.

ES2015 has a new primitive data type named Symbol, which supports unique values.

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

- JScript is Microsoft's implementation of ECMAScript used in Internet Explorer.
- ActionScript is Adobe's implementation of ECMAScript used in Adobe Flash.
- ECMAScript is the standard specification of JavaScript

JScript, ActionScript are derivatives of ECMAScript, each with their own specific features and use cases.

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

- The compiler should not execute single-line comments
- Single-Line comments should always start with `“//”`
- Single-Line comments accept any character except line breaks.

[https://www.ecma-international.org/wp-content/uploads/ECMA-262\\_1st\\_edition\\_june\\_1997.pdf](https://www.ecma-international.org/wp-content/uploads/ECMA-262_1st_edition_june_1997.pdf)

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

They are different JavaScript compiler engines that run JavaScript differently in terms of implementation details ,optimization techniques and performance characteristics.

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5. Show a practical example using [caniuse.com](https://caniuse.com) and the MDN compatibility table.

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