

# 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 are different versions of ECMAScript, the standardized scripting language that JavaScript is based on.

These different versions introduced new features, eg. ES5 introduced 'forEach' and ES6 added features like block scoped variables and arrow functions. ES2015 is the new name for ES6 which reflects the year it was released

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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.

ActionScript is a scripting language mainly used for developing interactive content and applications in Adobe Flash and also based on ECMAScript.

ECMAScript is the specification for JavaScript which other scripts like JScript and ActionScript is based on

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

ECMAScript is a JavaScript specification and can be found on their website [ecma-international.org](http://ecma-international.org)

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4. What are v8, SpiderMonkey, Chakra and Tamarin? Do they run JavaScript differently?  
These are JavaScript compilers designed to execute the JavaScript code. They are used in different browsers.

V8 is open source and executes code quickly and is used for the google chrome browser

SpiderMonkey is similar and is used for firefox browser

Chakra is used by Microsoft

Tamarin is used by Adobe

All are designed to execute JavaScript code according to the ECMAScript standard

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

Searching for `object.entries()` on [caniuse.com](https://caniuse.com) shows the compatibility with chrome, edge, safari, firefox, opera, as well as mobile compatibility. It also shows the version (from and to) of each browser that supports `object.entries()`

On the MDN compatibility table it shows the compatibility with all browsers desktop and mobile and which version of the browser began support.

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