

DWA_02.8 Knowledge Check_DWA2

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

The ES refers to ECMAScript and the suffixed numbers (sometimes dates) refers to the version of ECMAScript. Over time, lots of different versions have been released. ES6 and ES2015 are no different since 2015 is just the date ES6 was released and ES5 was released in 2009.

Some key differences are the following:

- ES6 introduced let and const variable keywords whereas ES5 only had var
 - ES6 introduced the arrow function approach whereas with ES5 you needed to use the function keyword
 - ES6 has higher performance than ES5
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2. What are JScript, ActionScript and ECMAScript - and how do they relate to JavaScript?

JScript was used to create Internet Explorer and ActionScript was created to mimic JavaScript (knock-off) in order to compete on the web for market share since JavaScript was doing so well.

ECMAScript, however, is the specification standard for JavaScript. It defines the syntax, semantics, and features of JavaScript.

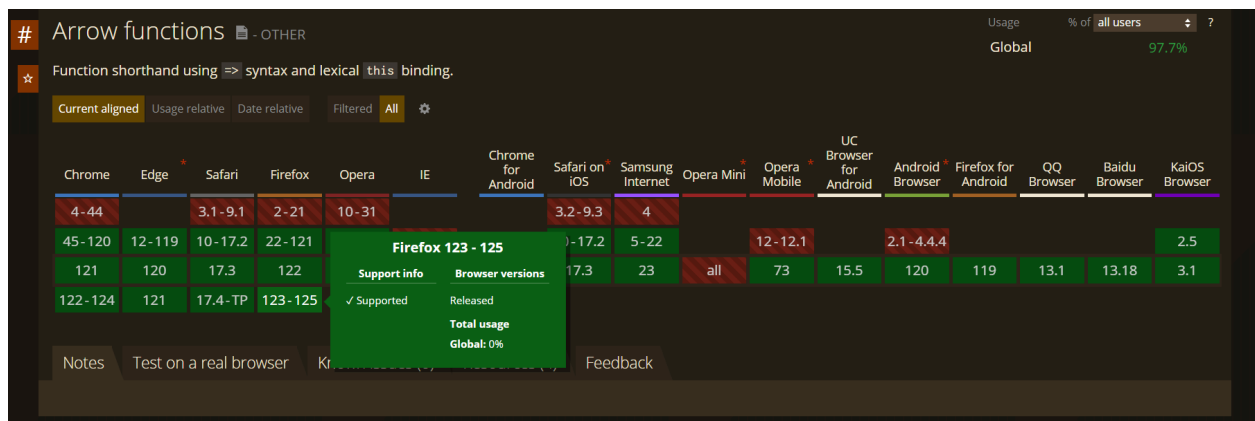
3. What is an example of a JavaScript specification - and where can you find it?

An example of a specification can be the introduction of the let and const keywords in 2015's ES6. It can be found online at: <https://tc39.es/ecma262/>

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

They are compilers specifically for JavaScript and to execute JS code in web browsers, although some are used in other places, too. Each has their own unique optimizations for JS.

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



Here I have searched arrow functions on caniuse.com. It appears arrow functions are compatible with the latest versions of FireFox and the JS engine they are using. Cool!