

# 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- Was released in 2009 and introduced significant improvements to the language. It added features like strict mode native JSON support, new array methods(such as map, reduce, and forEach), and more.

ES6- Is a major update to the ECMAScript standard released in 2015. It introduced many new features and syntax enhancements, such as arrow functions, class template literals, destructuring assignments, and the let and const keywords.

ES2015- Is simply another name for ES6. Since the ECMAScript specification was not updated annually before ES6, some people refer to Es6 as ES2015 to indicate 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 a Microsoft's implementation of the ECMAScript specification. It was initially developed as a scripting language for Internet Explorer and is similar to JavaScript.

ActionScript- ActionScript is a scripting language used in Adobe Flash (now discontinued) and Adobe AIR. It is also based on the ECMAScript specific to the Flash platform.

ECMAScript- ECMAScript is the standardized scripting language specification, of which JavaScript is the most well-known implementation. Javascript is often used interchangeably with ECMAScript, as it is the most popular implementation of the specification.

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

An example of a Javascript specification is the ECMAScript language Specification, which defines the syntax, semantics, and behavior of Javascript. You can find the ECMAScript Language Specification on the official ECMAScript website at:  
<https://www.ecma-international.org/publications/standards/Ecma-262.htm>

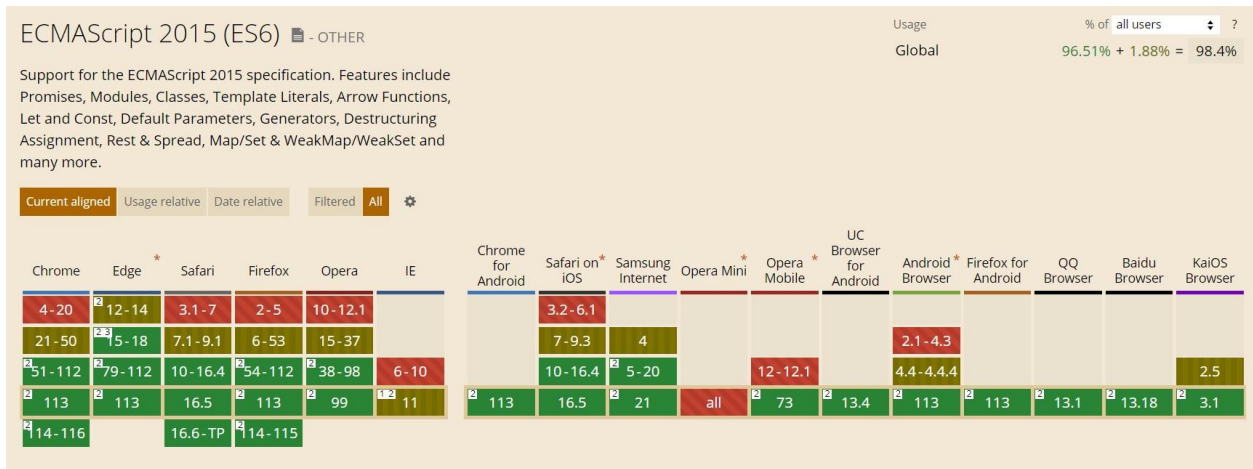
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4. What are v8, SpiderMonkey, Chakra and Tamarin? Do they run JavaScript differently?

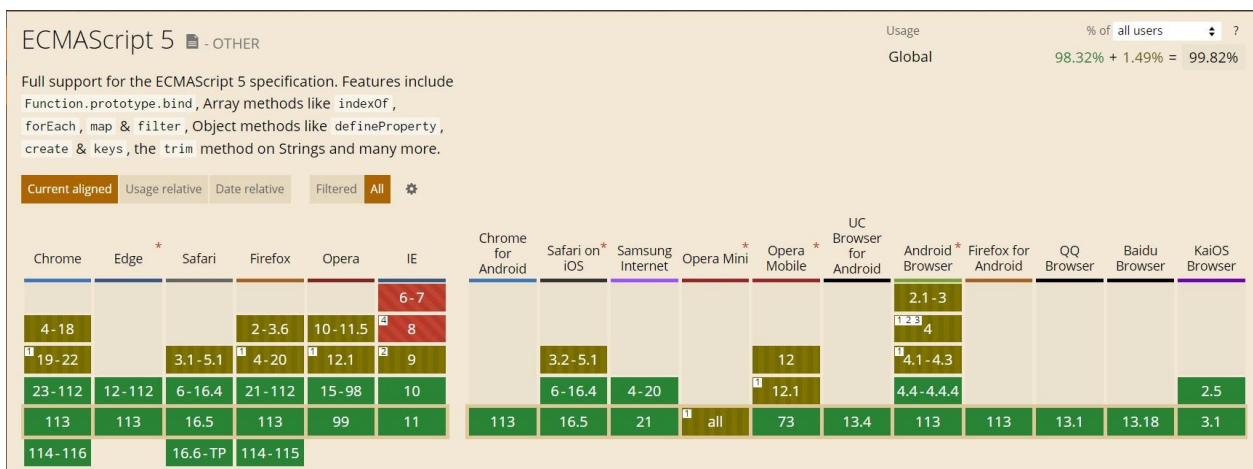
V8, SpiderMonkey, Chakra, and Tamarin are all JavaScript engines that run Javascript code, but they are used in different contexts and have varying levels of performance and feature support.

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



This is for ES6 showing the web browsers that it supports.



This is for ES5 showing the web browsers supported by it.