

DWA_02.8 Knowledge Check_DWA2

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

- ES5 is the fifth edition of the ECMAScript Specification finalized in 2009
- ES6 is the same as ES2015 because ECMA international decided to switch to annual releases of the ECMAScript Specification based on the year they have been released.

ES5 supports primitive data types that are string, number, boolean, null, and undefined. In ES6/ES2015 has added on data types

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

JScript - Its a scripting language developed by microsoft with specific features to windows and internet browsers. JScript and JavaScript share a common foundation in ECMAScript, and their syntax and core functionality are similar.

ActionScript - this is a scripting language used to develop interactive content and applications with adobe flash. It shares many similarities with JavaScript and has similar syntax and core features.

ECMAScript - its a standard script language, developed with the cooperation of Netscape and Microsoft and mainly derived from Netscapes JavaScript. ECMAScript defines the syntax, semantics, and behavior of JavaScript.

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.

You can find these at

<https://www.ecma-international.org/publications/files/ECMA-ST-ARCH/ECMA-262.%201st%20edition,%20June%201997.pdf>

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 their implementation details, optimisation techniques and performance characteristics.

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

Functions > Arrow function expressions @ English (US)

Browser compatibility

[Report problems with this compatibility data on GitHub](#)


	Chrome	Edge	Firefox	Opera	Safari	Chrome Android	Firefox for Android	Opera Android	Safari on iOS	Samsung Internet	WebView Android	Deno	Node.js
Arrow functions	✓ 45	✓ 12	✓ 22	✓ 32	✓ 10	✓ 45	✓ 22	✓ 32	✓ 10	✓ 5.0	✓ 45	✓ 1.0	✓ 4.0.0
Trailing comma in parameters	✓ 58	✓ 12	✓ 52	✓ 45	✓ 10	✓ 58	✓ 52	✓ 43	✓ 10	✓ 7.0	✓ 58	✓ 1.0	✓ 8.0.0

Tip: you can click/tap on a cell for more information.

✓ Full support ♦ Partial support ○ No support * See implementation notes.

In this article

- Try it
- Syntax
- Description
- Examples
- Specifications
- Browser compatibility**
- See also



Can I use arrow functions ? Settings

Arrow functions - OTHER Usage: 96.96% of all users Global

Function shorthand using => syntax and lexical this binding.

Current aligned Usage relative Date relative Filtered All

Chrome	Edge	Safari	Firefox	Opera	IE	Chrome for Android	Safari on iOS	Samsung Internet	Opera Mini	Opera Mobile	UC Browser for Android	Android Browser	Firefox for Android	QQ Browser	B
4-44		3.1-9.1	2-21	10-31			3.2-9.3	4							
45-112	12-112	10-16.4	22-112	32-97	6-10		10-16.4	5-19.0	12-12.1			2.1-4.4.4			
113	113	16.5	113	98	11	113	16.5	20	all	73	13.4	113	113	13.1	
114-116		16.6-TP	114-115												

Notes Test on a real browser Known issues (0) Resources (5) Feedback

