

DWA_02.8 Knowledge Check_DWA2

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

- **ES5** – 5th addition of ECMAScript, first major revision to JavaScript,
- **ES6** – 6th addition of ECMAScript, second major revision to JavaScript, Additions include:
 - Spread Operator (makes it easy to merge arrays and objects)
 - Template Literal (allow us to perform string interpolation easily)
 - Function Features (for..of loop, arrow function) “let” & “const” are introduced.
- **ES2015** – No difference to ES6 just different naming

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

- **JScript** – Microsoft’s version of JavaScript developed for Internet Explorer, has the same syntax & functionality as JavaScript.
- **ActionScript** – OOP language developed by Macromedia, has similar syntax & functionality to JavaScript except it is built solely for interacting with Flash Applications.
- **ECMAScript** – ECMAScript is a JavaScript Standard to ensure compatibility across different web browsers (includes JavaScript, JScript, and ActionScript)

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

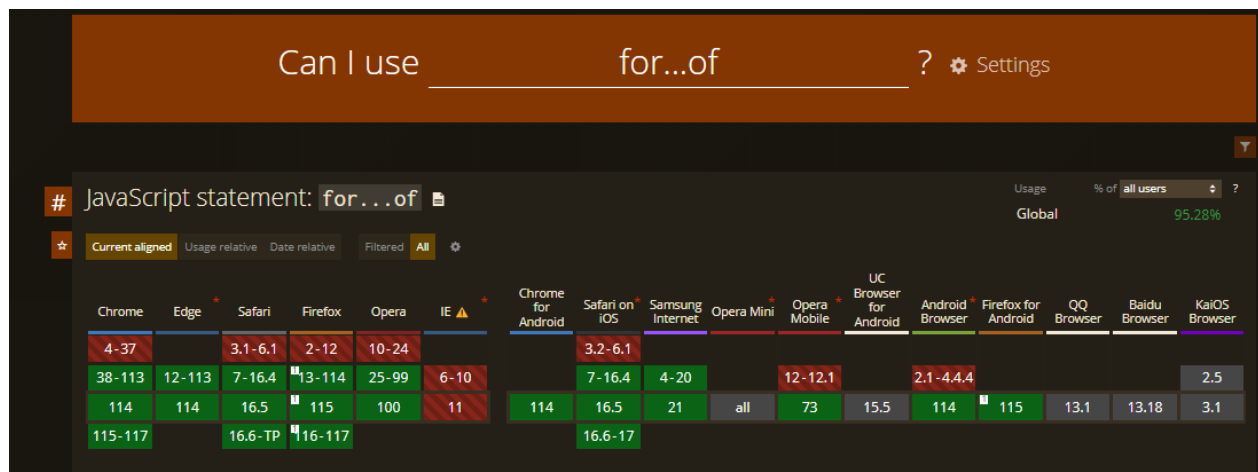
- Compilers should not execute single-line comments.
- Single-line comments should always start with "/*"
- Single-line comments accept any character except line breaks.
- Single-line comments end before the first line breaks
- JavaScript Specification can be found by TC39 on Git Hub (<https://github.com/tc39>)

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

- JavaScript Compilers - they run differently but all adhere to ECMAScript specifications.

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

- Caniuse



- MDN

Statements and declarations > for...of

Browser compatibility

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

	Desktop					Mobile						Other	
	Chrome	Edge	Firefox	Opera	Safari	Chrome Android	Firefox for Android	Opera Android	Safari on iOS	Samsung Internet	WebView Android	Deno	Node.js
for...of	✓ 38	✓ 12	✓ 13 *	✓ 25	✓ 7	✓ 38	✓ 14 *	✓ 25	✓ 7	✓ 3.0	✓ 38	✓ 1.0	✓ 0.12.0
async iterators	✓ 63	✓ 12	✓ 57	✓ 50	✓ 7	✓ 63	✓ 57	✓ 46	✓ 7	✓ 8.0	✓ 63	✓ 1.0	✓ 10.0.0
Closing iterators	✓ 51	✓ 14	✓ 53	✓ 38	✓ 7	✓ 51	✓ 53	✓ 41	✓ 7	✓ 5.0	✓ 51	✓ 1.0	✓ 6.5.0