

DWA_02.8 Knowledge Check_DWA2

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

ES5, ES6 and ES2015 are different versions of the ECMAScript specification, Which was used to standardise Javascript. ES5 is the fifth revision/update to ECMAScript, and ES6 is the next revision. ES2015 is a synonym for ES6, but the year is being used, because the ECMA decided to switch to annual update Releases, with names relating to the date of the updates release.

There are a lot of differences between the two generations. ES6 added the ability to define variables using let and const, the overall performance was better and object manipulation became a lot easier because of this. But while ES6 is the update version, ES5 still receives more community support.

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

JScript was a reverse-engineered version of JavaScript that was made specifically for Microsoft Internet Explorer.

ActionScript is an object-oriented programming language, which was Originally developed by Macromedia Inc (which was later acquired by Adobe). It's used to provide interactive elements to Adobe Flash Player. The syntax is very similar to Javascript, as the both conform to ECMA standards.

ECMAScript is a standardised version of Javascript that can be used across different web browsers, with ease.

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

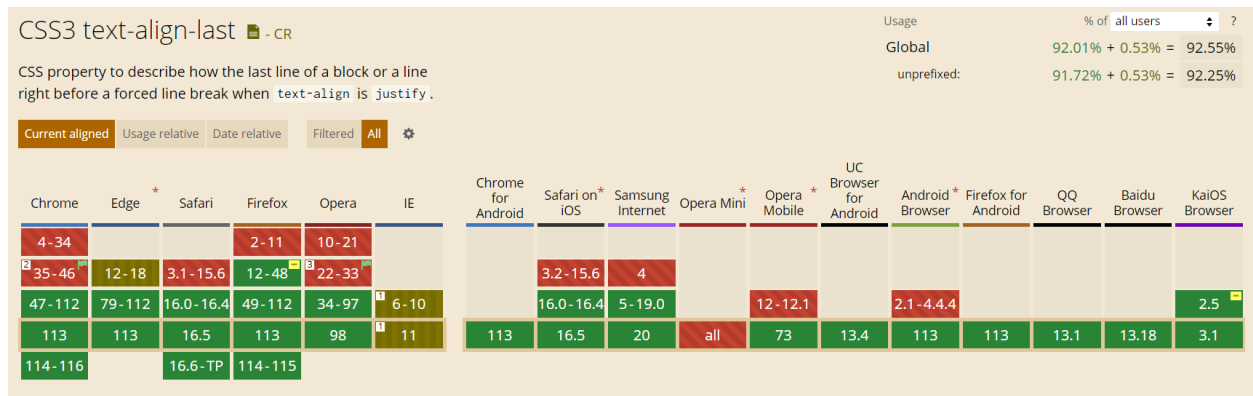
An example of a specification would be ES2015. These are updated annual, and are freely available on the ECMA website.

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

These are examples of Javascript compilers. There are around 39 different Javascript compilers, which are each maintained by a different team. Compilers take the high-level code, written by software developers, and converts it into low-level binary code, so the computer can execute the Javascript code.

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

- Using caniuse.com I looked for the compatibility of the 'text-align-last' property, across browsers.



- Green indicates full support, yellow indicates partial support, and red indicates no support.
- Then I searched for the same property on mozilla.org, and compared the two.

Browser compatibility

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

| | Desktop | | | | | Mobile | | | | | |
|-----------------|---------|------|---------|-------|--------|----------------|---------------------|---------------|---------------|------------------|-----------------|
| | Chrome | Edge | Firefox | Opera | Safari | Chrome Android | Firefox for Android | Opera Android | Safari on iOS | Samsung Internet | WebView Android |
| text-align-last | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 47 | 12 | 49 | 34 | 16 | 47 | 49 | 34 | 16 | 5.0 | 47 |
| | | | ... | | | | ... | | | | |

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

✓ Full support ✖ Requires a vendor prefix or different name for use. ... Has more compatibility info.

