

DWA_02.8 Knowledge Check_DWA2

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

ES5 is also known as ECMAScript 2009 as it was released in 2009. ES6 is also known as ECMAScript 2015 as it was released in 2015.

In ES5 there was only one way to declare a variable which was using var, in ES6/ES2016 there are two other ways, using const and also using let.

In ES5, both function and return keywords are used to define a function. An arrow function is a new feature introduced in ES6 by which we don't require the function keyword to define the function.

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

JScript is Microsoft's legacy dialect of the ECMAScript standard that is used in Microsoft's Internet Explorer 11 and older.

Actionscript is used primarily for the development and software targeting the Adobe Flash platform, originally finding use on web pages in the form of embedded SWF files.

The ECMAScript specification is a standardized specification of a scripting language developed by Brendan Eich of Netscape, initially Mocha, then LiveScript, and finally Javascript.

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

The ECMA-262 specification. Can be found at <https://tc39.es/ecma262/>.

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

They are open source Javascript engines.

Yes they do.

V8 provides an edge as it allows JavaScript to run much faster, which improves users' experience of the web and the overall functionality of the system.

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

