

DWA_02.8 Knowledge Check_DWA2

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

The fifth and sixth iterations of the ECMA Script are known as ES5 and ES2015, respectively. ECMAScript 5 is known as ES5. ES6 stands for ECMAScript 6, but ECMAScript 2009 is another name for it. It also goes by the name ECMAScript 2015.

The `Array.prototype.map` and `Array.prototype.filter` methods, as well as strict mode and JSON support, were new additions to ES5, also known as ECMAScript 5, which was introduced in 2009.

With the 2015 release of ES6, also known as ECMAScript 2015, the language saw substantial modifications. These included new syntax for variables (`let` and `const`), arrow functions, template literals, and classes.

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

Scripting languages that are related to JavaScript include JScript, ActionScript, and ECMAScript.

The ECMAScript specification was created so that JavaScript would function in Microsoft's Internet Explorer browser. JScript is Microsoft's implementation of this specification.

To make interactive animations and games, Adobe Flash uses the scripting language ActionScript.

The fundamental components of JavaScript are defined by the standardized scripting language specification known as ECMAScript.

As a general-purpose scripting language for online development, JavaScript is frequently used to build interactive web pages and web apps. While JScript and ActionScript are particular ECMAScript implementations utilized in particular applications and online settings.

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

The ECMAScript specification paper, which outlines the requirements for the ECMAScript language, serves as an illustration of a JavaScript

specification. The specification contains the syntax, semantics, standard libraries, and other information required for the language to be implemented on various systems.

The organization in charge of upholding the standard, ECMA International, publishes the ECMAScript specification on its website.

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

JavaScript code is executed using a variety of JavaScript engines, including V8, SpiderMonkey, Chakra, and Tamarin.

All JavaScript engines run JavaScript code, but each one operates differently and has unique design and optimization characteristics. Each engine's performance can change based on the hardware it is operating on as well as the code that is being performed.

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

Ran a check to see which browser versions support the CSS grid layout. Returned these results, which show the supported and unsupported versions of different browsers.


