

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 refer to different versions of the ECMAScript standard, which is the specification that JavaScript is based on.

ES5 was the version of ECMAScript that was widely supported before 2015, and ES6 (or ES2015) introduced significant changes and new features to the language. Since ES6/ES2015, new versions of ECMAScript have been released annually with additional features and improvements, such as ES2016, ES2017, and so on. However, the naming convention changed to the year of release rather than incrementing the version number. For example, ES6/ES2015 is followed by ES2016, ES2017, and so forth.

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

JavaScript, JScript, ActionScript, and ECMAScript are all related to web development and scripting, but they have different roles and contexts.

JScript is Microsoft's implementation of ECMAScript. It is similar to JavaScript but is specifically designed to work with Microsoft technologies, such as Internet Explorer and Windows Script Host.

ActionScript is a scripting language developed by Adobe Systems for their Flash platform. It is primarily used for creating interactive multimedia content, animations, and games within the Flash environment. Like JavaScript and JScript, ActionScript is also influenced by the ECMAScript standard.

ECMAScript is the standard upon which JavaScript, JScript, and other scripting languages are based. It is maintained by Ecma International, and the standard defines the core features and behavior of scripting languages.

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

The specification is a collection of documents describing how JavaScript and its variants should work in the context of JavaScript and its variants. The JavaScript specification is based on the ECMAScript standard, which defines the core features and behavior of the scripting language. To access the ECMAScript specifications, you can visit the official website of Ecma International, the organization that oversees the standardization process: Ecma International - ECMAScript Specifications

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

V8, SpiderMonkey, Chakra, and Tamarin are different JavaScript engines, each designed to execute JavaScript code in various environments. While they share the common goal of interpreting or compiling JavaScript, they are developed by different organizations and may have distinct optimization strategies and performance characteristics.

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

<https://caniuse.com/?search=fetch>

https://developer.mozilla.org/en-US/docs/Web/API/Fetch_API#browser_compatibility
