

DWA_02.8 Knowledge Check_DWA2

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

- ES5 is the 5th edition of the ECMAScript standard finalized in December 2009.
- ES6 is also known as ES2015 and is the 6th edition of the ECMAScript standard finalized in June 2016.
- ES6 introduced significant enhancements to JavaScript compared to ES5 such as new syntax and language features like arrow functions, template literals, let and const.

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

- JScript is Microsoft's implementation of ECMAScript used in Internet Explorer.
- ActionScript is Adobe's implementation of ECMAScript used in Adobe Flash.
- ECMAScript is the standard specification for JavaScript.

JScript, ActionScript are derivatives of ECMAScript, each with their own specific features and use cases.

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

- The compiler 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

<https://www.ecma-international.org/publications/files/ECMA-ST-ARCH/ECMA-262,%201st%20edition,%20June%201997.pdf>

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

- V8, SpiderMonkey, Chakra and Tamarin are different JavaScript engines, each used in different web browsers.
- They all serve the purpose of running JavaScript but differ in terms of performance optimizations, memory management and other additional features.

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