DWA_02.8 Knowledge Check_DWA2

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

   - ES5 stands for ECMAScript 5, released in 2009
   - ES6 (or ECMAScript 2015) was released in 2015. ES6 introduces new features and modern syntax. Some of these features include arrow functions, classes, template literals.

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

   - Jscript – a scripting language which is used in older versions of Microsoft's Internet Explorer.
   - ActionScript – a language used for adobe flash player.
   - ECMAScript – the standard for JavaScript to work consistently across the different web browsers. JavaScript is the practical application of the ECMA script specification.

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

An example of a JavaScript specification is the ECMAScript 2021 (ES12) and it can be found on the following website - https://www.ecma-international.org/

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

These are all JavaScript compiler engines and they all run differently.
- v8 – Complies JavaScript code directly into machine code.
- SpiderMonkey – Compiles JavaScript into an intermediate bytecode which get interrupted by the engine.
- Chakra – Utilizes a Just-In-Time compiler.
- Tamarin – Utilizes a Just-In-Time compiler.

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

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