DWA_02.8 Knowledge Check_DWA2

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1. What do ES5, ES6 and ES2015 mean - and what are the differences between them?
- ES5 is the fifth edition of the ECMAScript Specification finalized in 2009
- ES6 is the same as ES2015 because ECMA international decided to switch to annual releases of the ECMAScript Specification based on the year they have been released.

ES5 supports primitive data types that are string, number, boolean, null, and undefined. In ES6/ES2015 has added on data types

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

JScript - Its a scripting language developed by microsoft with specific features to windows and internet browsers. JScript and JavaScript share a common foundation in ECMAScript, and their syntax and core functionality are similar.

ActionScript - this is a scripting language used to develop interactive content and applications with adobe flash.It shares many similarities with JavaScript and has similar syntax and core features.

ECMAScript - its a standard script language, developed with the cooperation of Netscape and Microsoft and mainly derived from Netscapes JavaScript. ECMAScript defines the syntax, semantics, and behavior of JavaScript.

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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.

You can find these at
https://www.ecma-international.org/publications/files/ECMA-ST-ARCH/ECMA-262,%201st%20edition,%20June%201997.pdf

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

They are different JavaScript compiler engines that run JavaScript differently in terms of their implementation details,optimisation techniques and performance characteristics.

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

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