

DWA_02.8 Knowledge Check_DWA2

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

- They are different versions of JavaScript writing standards.
 - ES5 is the first revision of JS and uses a one way of defining variables using var as a keyword
 - ES6/ES2015 introduced 2 more ways of defining variables making use of let and const, where variables defined by const are immutable/unchangeable.
 - ES6/ES2015 provides a more easy way to define objects when the keys and variables are the same.
 - ES6 was renamed to ES2015
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2. What are JScript, ActionScript and ECMAScript - and how do they relate to JavaScript?

- ECMAScript is a subset(part of a larger group) of JavaScript and a standard for performing computations in Web applications.
 - JScript is a scripting language owned by Microsoft. Reverse engineered from JS.
 - Action script is a knock-off version of JavaScript.
 - ECMAScript is the core script used by JavaScript, JScript and ActionScript.
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3. What is an example of a JavaScript specification - and where can you find it?

- Single-line comments should always start with "//"

Can be found in :

ECMA 262: 1st Edition (1997)

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

- They are all different JavaScript compilers .
- Chakra is a JScript engine developed by Microsoft.
- A new JavaScript engine was created for its Microsoft Edge browser, however Microsoft Edge switched to the v8 JavaScript engine in 2020.
- SpiderMonkey is an open sourced JavaScript engine.

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

