## 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
- 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.
- 3. What is an example of a JavaScript specification and where can you find it?
  - Singe-line comments should always start with "//"

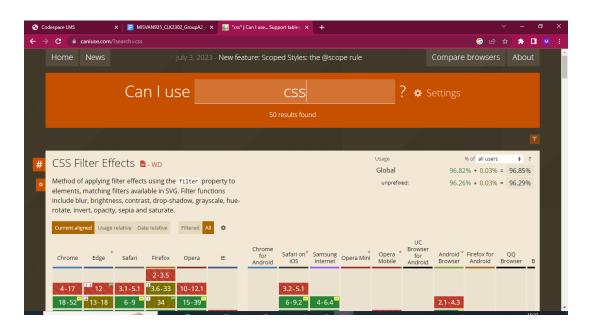
Can be found in:

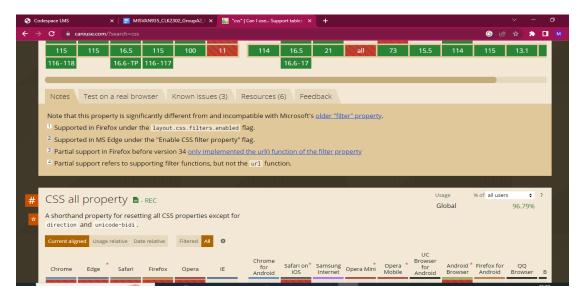
**ECMA 262: 1st Edition** (1997)

- 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.

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





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