DWA_02.8 Knowledge Check_DWA2

- 1. What do ES5, ES6 and ES2015 mean and what are the differences between them?
 - They are various editions of JavaScript coding.
 - ES5, the initial version of JavaScript, introduces a single method for declaring variables through the use of var using a particular term.
 - ES6/ES2015 included two additional methods for declaring variables, utilizing let and const is used to declare variables that cannot be changed, they are immutable.
 - ES6/ES2015 offers a simpler method for defining objects by using the keys and variables remain constant.
 - ES6 was given the new name of ES2015.
- 2. What are JScript, ActionScript and ECMAScript and how do they relate to JavaScript?

ECMAScript is a subset of JavaScript used as a standard for executing calculations within Web applications.

- Microsoft owns JScript, which is a scripting language. Reverse engineered using JS.
- Action script is an imitation of JavaScript.
- ECMAScript serves as the foundational script utilized 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? All of them are diverse JavaScript compilers.
- Developed by Microsoft, Chakra is a JScript engine.
- Microsoft Edge browser developed a new JavaScript engine, though In 2020, Microsoft Edge transitioned to the v8 JavaScript engine.
- An open sourced JavaScript engine is SpiderMonkey.

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

