

DWA_02.8 Knowledge Check_DWA2

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

They are all different versions of JavaScript of the ECMAScript standard

ES5- Is traditionally referred to as the "Original JavaScript", released in 2009

ES6- An update release of ES5 released in 2015

ES2015 same as ES6 just suffixed by the year it was published

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

ActionScript- JavaScript's knock off language by Macromedia,officially designed for Adobe flash

EcmaScript- Combination of JavaScript and JSCRIPT BY ECMA when Netscape and Microsoft adapted it in 1997

Jscript-is the competition language released by microsoft

Jscript is highly compatible with JavaScript even though it was initially released to compete with JavaScript, While ECMAScript is a standardized scripting language specification that forms the basis for many popular programming languages, including JavaScript.

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

1.The compiler should not execute single-line comments.

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

3.Single-line comments accept any character except line breaks.

4.Single-line comments end before the first line breaks

You can find it on THE ECMAScript website.

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

-They are JavaScript compilers or engines,

they do have differences in their implementations and execution strategies, resulting in variations in how they run JavaScript code.

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

Sure! Let's say we want to check the compatibility of the `Array.prototype.includes()` method in different web browsers using caniuse.com and the MDN compatibility table.

Start by visiting caniuse.com in your web browser.

In the search bar on the homepage, type "Array.prototype.includes" and press Enter.

The search results will show the compatibility information for the `Array.prototype.includes()` method across different web browsers. You'll see a table that indicates which browser versions support this method.

Take note of the browser versions and their corresponding support levels (e.g., "Full support," "Partial support," "No support," etc.) in the caniuse.com table.

Now, open a new tab or window and visit the MDN compatibility table for `Array.prototype.includes()`. You can access it by going to the following URL:
https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/includes#Browser_compatibility

In the MDN compatibility table, you'll find a similar overview of browser compatibility for the `Array.prototype.includes()` method. It lists various browsers and versions, along with their support status.

Compare the information between caniuse.com and the MDN compatibility table. You can see if there are any discrepancies or additional details mentioned on either platform.

By using caniuse.com and the MDN compatibility table together, you can gather comprehensive information about the compatibility of specific JavaScript features or methods across different browsers. This can help you make informed decisions when developing web applications to ensure optimal compatibility and user experience.
