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, ES6, and ES2015 are all versions of the ECMAScript standard, the official specification for the JavaScript programming language. ES5, released in 2009, introduced significant improvements over previous versions, including strict mode, JSON support, and various array and object methods. ES6, also known as ES2015, was a major update released in 2015, introducing new features such as arrow functions, classes, template literals, destructuring assignment, and the let and const keywords. ES6 marked a significant evolution of the language and laid the foundation for modern JavaScript development. While ES6 introduced many new features, subsequent versions like ES2016, ES2017, and so on have continued to add enhancements and improvements to the language, but ES6 is often used as a reference point for modern JavaScript development.

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

JScript, ActionScript, and ECMAScript are all scripting languages with varying degrees of association to JavaScript. JScript is Microsoft's implementation of ECMAScript, primarily used in Internet Explorer. ActionScript, developed by Adobe for their Flash platform, is based on ECMAScript standards and shares syntactical similarities with JavaScript. ECMAScript is the standardized scripting language specification upon which JavaScript is based.

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

an example of a JavaScript specification is the ECMAScript standard. ECMAScript defines the scripting language upon which JavaScript is based and provides specifications for its syntax, semantics, and core features.

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

V8, SpiderMonkey, Chakra, and Tamarin are all examples of JavaScript engines, each developed by different organizations for executing JavaScript code in web browsers or other environments. V8 is developed by Google and used in the Chrome browser, while SpiderMonkey is the engine behind Firefox, developed by Mozilla. Chakra was Microsoft's engine used in Internet Explorer and Edge browsers. Tamarin, developed by Adobe, was used in their Flash Player. While all these engines serve the same purpose of executing JavaScript code, they run JavaScrit differently .

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

I can compare the two by going to both sources for promise using the MDN web DOCS

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