

DWA_02.8 Knowledge Check_DWA2

1. What do ES5, ES6 and ES2015 mean - and what are the differences between them?
ES5 and ES2015 or ES6 are the fifth and sixth versions of the ECMA Script respectively.
ES5 stands for ECMAScript 5. It is also called ECMAScript 2009 whereas ES6 stands for ECMAScript 6. It is also called ECMAScript 2015.

ES5 means ECMAScript 5

ES6 or ECMAScript 6 or ECMAScript 2015

The differences

ES5	ES2015 or ES6
It is the fifth version or edition of ECMAScript.	It is the sixth version or edition of ECMAScript.
It was released in 2009.	It was released in 2015.
It supports primitive data types: string, number, boolean, null & undefined.	It has a new primitive data type named Symbol , which supports unique values.
The var keyword in JavaScript is used for defining variables .	The var, let & const keywords are used for defining variables in JavaScript.
Due to the absence of some features, the performance of ES5 is lower than ES6.	Due to the presence of new features, ES6 or ES2015 has higher performance than ES5.

The Manipulation of objects in ES5 or ECMAScript 2009 is more time-consuming.	The Manipulation of objects in ES6 or ECMAScript 2015 is less time-consuming than ES5.
In ES5 or ES 2009, both function & return keywords are used for defining the function.	In ES6 or ES 2015, a new feature of the arrow function was introduced, in which the function keyword is not used for defining a function.
It offers a wider range of communities supporting ES5 or ES 2009 compared to ES6.	It offers a lower range of communities supporting ES6 or ES 2015 compared to ES5.
A traditional for loop like other programming languages are used for iterating the elements of iterable objects.	In ES6, a for...of the loop is introduced for iterating the elements of iterable objects.

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

ActionScript is an **object-oriented programming** language originally developed by **Macromedia Inc.** (later acquired by **Adobe**). It is influenced by **HyperTalk**, the scripting language for **HyperCard**. It is a scripting language like javascript

JScript is Microsoft's **legacy** dialect of the **ECMAScript** standard that is used in **Microsoft's Internet Explorer 11** and older. They are the same language with different names

ECMAScript is a standard published by Ecma International. It contains the specification for a general purpose scripting language. Javascript conforms to the specifications written on the ECMAScript.

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

Technical committee 39

You can find it on

<https://github.com/tc39>

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

v8, SpiderMonkey, Chakra and Tamarin are javascript compilers. They are each developed and maintained by different organizations, and they have their own unique characteristics and optimizations.

Yes they run Javascript differently based on the search engine that you use.

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

HomeNews

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Compare browsersAbout

Can I use

Settings

Feature: JavaScript built-in: Intl: RelativeTimeFormat

JavaScript built-in: Intl: RelativeTimeFormat

Usage

Global

% of all users

93.95%

Current aligned

Usage relative

Date relative

Filtered

All

Chrome	Edge	Safari	Firefox	Opera	IE	Chrome for Android	Safari on iOS	Samsung Internet	Opera Mini	Opera Mobile	UC Browser for Android	Android Browser	Firefox for Android	QQ Browser	Baidu Browser	KaiOS Browser
4-70	12-18	3.1-13.1	2-64	10-57			3.2-13.7	4-9.2								
71-112	79-112	14-16.4	65-112	58-98	6-10		14-16.4	10.1-20		12-12.1		2.1-4.4.4				2.5
113	113	16.5	113	99	11	113	16.5	21	all	73	13.4	113	113	13.1	13.18	3.1
114-116		16.6-TP	114-115													

Notes

Test on a real browser

Sub-features

Feedback

See full reference on [MDN Web Docs](#).

Support data for this feature provided by:
 MDN Web Docs