**1. JavaScript Engine working**

A **JavaScript engine** is a program or an interpreter which executes JavaScript code. A JavaScript engine can be implemented as a standard interpreter, or just-in-time compiler

**V8** is the name of the **JavaScript engine** that powers Google **Chrome**. It's the thing that takes our **JavaScript** and executes it while browsing with **Chrome**. **V8** provides the runtime environment in which **JavaScript** executes. The DOM, and the other Web Platform APIs are provided by the browser.

**Popular JavaScript Engines:**

|  |  |  |
| --- | --- | --- |
| **Sl.No** | **Browser Name** | **Engines Name** |
| 1. | Chrome | V8 Engine |
| 2. | Firefox | SpiderMonkey |
| 3. | Safari | JavaScriptCore/Nitro |
| 4. | Edge | Chakra |

These are the popular JavaScript Engines.

**2. Browser Compatibility**

Browser Compatibility is the manner in which a web page looks in different web browsers. Different browsers read the website code differently. In other words, Chrome will render a website Differently than Firefox or Internet Explorer will. It is important to ensure that your website is [compatible across different browsers](https://www.conversioner.com/blog/5-golden-rules-uploading-conversion-test/) because not all people use the same browser. The major browsers to ensure your site is compatible include IE, Chrome, Firefox, Opera, Safari and on mobile devices.

What is ES5?

* ES5 is a shortcut for **ECMAScript 5**
* ECMAScript 5 is also known as **JavaScript 5**
* ECMAScript 5 is also known as **ECMAScript 2009**
* ECMAScript 5 was released in 2009.

ECMAScript 5 (**ES5**): The 5th edition of ECMAScript, standardized in 2009. This standard has been implemented fairly completely in all modern browsers.

What is ES6?

ECMA Script is the standardized name for JavaScript, and version 6 is the next version after version 5, which was released in 2011. It is a major enhancement to the JavaScript language, and adds many more features intended to make large-scale software development easier. ECMAScript, or **ES6**, was published in June 2015.

ECMA - The standard of scripting languages like **JavaScript** is **ECMAScript**. The **full form of**

**ECMA** is European Computer Manufacturer's Association.

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*@@@@@@\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***