Brief History of JavaScript

from Wikipedia https://en.wikipedia.org/wiki/JavaScript

JavaScript

JavaScript (/ˈdʒɑːvəˌskrɪpt/),often abbreviated as JS, is a programming language that conforms to the ECMAScript specification.

JavaScript is *high-level*, often just-in-time compiled, and multi-paradigm. It has curly-bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions.

Weakly typed

JavaScript is weakly typed, which means certain types are implicitly cast depending on the operation used.

- The binary `+` operator casts both operands to a string unless both operands are numbers. This is because the addition operator doubles as a concatenation operator
- The binary `-` operator always casts both operands to a number
- Both unary operators (+, -) always cast the operand to a number

JavaScript includes a number of quirks that have been subject to criticism

left operand	operator	right operand	result
[](empty array)	+	[](empty array)	""(empty string)
[] (empty array)	+	{} (empty object)	"[object Object]" (string)
false (boolean)	+	[] (empty array)	"false" (string)
"123"(string)	+	1 (number)	"1231" (string)
"123" (string)	-	1 (number)	122 (number)

```
('b' + 'a' + +'a' + 'a').toLowerCase(); // "banana"
```