   1. [HTML](https://www.w3schools.com/html/default.asp) to define the content of web pages

   2. [CSS](https://www.w3schools.com/css/default.asp) to specify the layout of web pages

   3. JavaScript to program the behavior of web pages

The Original JavaScript ES1 ES2 ES3 (1997-1999)

The First Main Revision ES5 (2009)

The Second Revision ES6 (2015)

The Yearly Additions (2016, 2017 ... 2021, 2022)

JavaScript was invented by Brendan Eich in 1995, and became an ECMA standard in 1997.

ECMA-262 is the official name of the standard. ECMAScript is the official name of the language.

Placing scripts at the bottom of the <body> element improves the display speed, because script interpretation slows down the display. It also ensures that the HTML document has been fully parsed by the time the script is executed.

In JavaScript, the window object is the global scope object. This means that variables, properties, and methods by default belong to the window object.

JavaScript Programs

A computer program is a list of "instructions" to be "executed" by a computer.

In a programming language, these programming instructions are called statements.

A JavaScript program is a list of programming statements.

In HTML, JavaScript programs are executed by the web browser.

JavaScript Statements

JavaScript statements are composed of:

Values, Operators, Expressions, Keywords, and Comments.

Separate JS statements with semicolons because when we compress the file it shrink the size of js code when means multiple line form a single line if not separated by semicolon it will cause an issue. Although there are some compressor or tool which automatically add semicolon at end of the line. (Automatic Semicolon Insertion).

JavaScript Values

The JavaScript syntax defines two types of values:

Fixed values (Literals) (number Literal (12, 1.5), string literal (‘saranj’, ‘x’)

Variable values (Variables) (var x, let y = 10)

required vs import