

JavaScript

JavaScript is a scripting language.

Java VS JavaScript

JavaScript	Java
Scripting Language	Programming language
Object based	Object Oriented
Event driven programming	Logic based programming
Dynamically typed	Statically typed

DOM—Document Object model

It is in memory tree representation of html file, when it gets loaded in the browser window.

Javascript is of 2 types

1. Internal javascript

- For using Javascript inside HTML file(internal javascript), use `<script >` tag.
- This tag can appear any number of times in the file, and can be added in `<head>` or in `<body>` tag.

```
<script>  
    document.write("Hello world!!");  
</script>
```

2. External Javascript

- If the javascript code is written in a separate file then it is called as external Javascript
- The external file extension has to be .js
- It is good to store all .js file in the separate folder
- To use external javascript in HTML file use script tag as follows
`<script src="/js/myfirst.js"></script>`

```
Myfirst.js  
    document.write("Hello world!!");
```

```
//validation for addition  
Both numbers should be +ve
```

```
Num1 should be >0 and < 6
```