

Introduction of Javascript

What is Javascript?

Javascript is an interpreted, complete programming language that enables dynamic interactivity on websites. It is used with an HTML document. Users can create interactive modern web applications with JavaScript without continually refreshing the page. Numerous websites utilize the lightweight object-oriented programming language JavaScript (js) to script their web pages. The conventional website makes use of js to offer various sorts of simplicity and interactivity.

Features of Javascript

There are the following features of JavaScript:

1. Due to its built-in execution environments, JavaScript is supported by all widely used web browsers.
2. JavaScript adheres to the C programming language's syntax and organization. Thus, it is a structured programming language.
3. JavaScript is a weakly typed language, where certain types are implicitly cast (depending on the operation).
4. JavaScript is an object-oriented programming language that uses prototypes rather than using classes for inheritance.
5. It is a light-weighted and interpreted language.
6. It is a case-sensitive language.
7. JavaScript is supportable in several operating systems including, Windows, macOS, etc.
8. It provides good control to the users over the web browsers.

Applications of Javascript

JavaScript is used to create interactive websites. It is mainly used for:

1. Client-side validation,
2. Dynamic drop-down menus,
3. Displaying date and time,
4. Displaying popup windows and dialog boxes (like an alert dialog box, confirm dialog box, and prompt dialog box),
5. Displaying clocks etc.

External Javascript

In many HTML pages, we can generate an external JavaScript file and embed it. It provides code reusability because a single JavaScript file can be used on several HTML pages. The .js extension must be used when saving an external JavaScript file. It is advised to combine all JavaScript files into one. It increases the speed of the webpage.

Below is an example of an external javascript file that prints "Hello World" on the alert box.

```
JS example.js > ...
1  function message(){
2      alert("hello World");
3  }
```