

JAVASCRIPT:-

JavaScript is the scripting language of the Web. JavaScript is used in millions of Web pages to add functionality, validate forms, detect browsers, and much more.

Introduction to JavaScript

-JavaScript is used in millions of Web pages to improve the design, validate forms, detect browsers, create cookies, and much more.

-JavaScript is the most popular scripting language on the Internet, and works in all major browsers, such as Internet Explorer, Mozilla Firefox, and Opera.

What is JavaScript?

- JavaScript was designed to add interactivity to HTML pages

-JavaScript is a scripting language

-A scripting language is a lightweight programming language

-JavaScript is usually embedded directly into HTML pages

-JavaScript is an interpreted language (means that scripts execute without preliminary compilation)

-Everyone can use JavaScript without purchasing a license

-Java and JavaScript are two completely different languages in both concept and design! Java (developed by Sun Microsystems) is a powerful and much more complex programming language - in the same category as C and C++.

What can a JavaScript Do ?

-JavaScript gives HTML designers a programming tool - HTML authors are normally not programmers, but JavaScript is a scripting language with a very simple syntax! Almost anyone can put small "snippets" of code into their HTML pages .

-JavaScript can put dynamic text into an HTML page - A JavaScript statement like this: `document.write("<h1>" + name + "</h1>")` can write a variable text into an HTML page

-JavaScript can react to events - A JavaScript can be set to execute when something happens,

like when a page has finished loading or when a user clicks on an HTML element

-JavaScript can read and write HTML elements - A JavaScript can read and change the content of an HTML element

-JavaScript can be used to validate data - A JavaScript can be used to validate form data before it is submitted to a server. This saves the server from extra processing

-JavaScript can be used to detect the visitor's browser - A JavaScript can be used to detect the visitor's browser, and - depending on the browser - load another page specifically designed for that browser.

Why is JavaScript

Both the front end and the back end of websites may be developed using JavaScript, which, when done right, captures seamless communication between the client and the server. The potential of JavaScript to manipulate the DOM is its main benefit for use in modern web development. Also Read: Understanding JavaScript design patterns in depth

how an api works

Servers or devices do not have to fully expose data—APIs enable the sharing of small packets of data, relevant to the specific request. API documentation is like a technical instruction manual that provides details about an API and information for developers on how to work with an API and its services.

common features in programming languages

- 1. Object-Centered Script Language*
- 2. Client edge Technology*
- 3. Validation of User's Input*
- 4. Else and If Statement*
- 5. Interpreter Centered*
- 6. Ability to perform In Built Function*
- 7. Case Sensitive format*
- 8. Light Weight and delicate*
- 9. Statements Looping*
- 10. Handling Events*