



SNS COLLEGE OF ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Javascript HISTORY



JAVA SCRIPT HISTORY



- **Brendan Eich** developed JavaScript, a computer language, in just ten days in May 1995.
- Initially called Mocha, then LiveScript, it finally became known as JavaScript.
- It was designed for the client-side of websites to add dynamic and interactive elements to static HTML pages.



JAVA SCRIPT HISTORY



- JavaScript was first implemented in Netscape
- Navigator, the most popular browser at the time.
- Microsoft quickly adopted it for Internet Explorer.
- JavaScript had to be declared using the let keyword, which was taken from the C programming language before var was introduced.



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Javascript BASICS



JAVASCRIPT



- JavaScript is a **programming language** used to create dynamic content for websites.
- It is a **lightweight, cross-platform**
- **It is a single-threaded** programming language
- JavaScript is an **interpreted** language



JAVA SCRIPT



- JavaScript on the client side is directly executed in the user's browser.
- Almost all browsers have JavaScript Interpreter and do not need to install any software.
- JavaScript is also used on the Server side (on [Web Servers](#)) to access databases, file handling and security features to send responses, to browsers.



JAVASCRIPT



- The [Document Object Model \(DOM\)](#) provides interfaces for interacting with elements on web pages
- The [Browser Object Model \(BOM\)](#) provides the browser API for interacting with the web browser.
- JavaScript allows you to add interactivity to a web page. Typically, you use JavaScript with HTML and CSS to enhance a web page's functionality, such as [validating forms](#), creating interactive maps, and displaying animated charts.



JAVASCRIPT



- When a web page is loaded, i.e., after HTML and CSS have been downloaded,
- The JavaScript engine in the web browser executes the JavaScript code.
- The JavaScript code then modifies the HTML and CSS to update the user interface dynamically.
- The JavaScript engine is a component of web browsers responsible for interpreting and executing JavaScript code.



JAVASCRIPT



- It includes a parser to analyze the code, a compiler to convert it into machine code, and an interpreter to run the compiled code.
- Initially, JavaScript engines were implemented as interpreters.
- However, modern JavaScript engines are commonly implemented as just-in-time compilers that compile JavaScript code to bytecode for improved performance.