


What is JavaScript

 Facts4web
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Art Credit : @artstationhq



JavaScript

JavaScript is a dynamic programming language that's used for web development, in web applications, for game **development**, and lots more. It allows you to implement dynamic features on web pages that cannot be done with only **HTML** and CSS.



JavaScript Fundamentals

- Variables
- Constants
- Data Types
- Objects
- Arrays
- Functions
- Conditional statements
- Loops
- Switch case



Javascript Data Types

Primitive Data Type

Number

String

Boolean

Undefined

Null

Non-Primitive Data Type

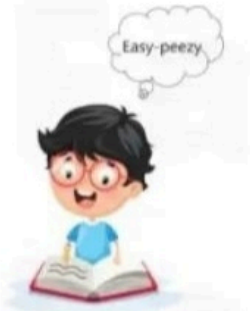
Object

Array

Function



Benefits of JavaScript



It's easy to learn and simple to implement



It's all about being fast



Rich set of frameworks



Builds interactive websites



JavaScript is an interpreted language



JavaScript is platform independent

Top JavaScript Libraries and Frameworks

Libraries

- jQuery
- React
- Redux
- D3.js

Frameworks

- Bootstrap
- Angular Js
- Node Js
- Vue.js
- Ember.js



What is the HTML DOM



The **HTML DOM** is an **Object Model** for **HTML**. It defines:

- HTML elements as **objects**
- **Properties** for all HTML elements
- **Methods** for all HTML elements
- **Events** for all HTML elements



The **HTML DOM** is an **API** (Programming Interface) for **JavaScript**:

- JavaScript can add/change/remove HTML elements
- JavaScript can add/change/remove HTML attributes
- JavaScript can add/change/remove CSS styles
- JavaScript can react to HTML events
- JavaScript can add/change/remove HTML events

