## ****JavaScript Kya Hai?****

JavaScript ek **programming language** hai jo **web pages ko interactive** banane ke liye use hoti hai.

* JavaScript ke bina websites **static** hoti hain (sirf HTML & CSS).
* JavaScript ki madad se hum **buttons, animations, form validation, APIs, games, etc.** bana sakte hain.

**JavaScript ke bina websites sirf ek "Photo" ki tarah hoti hain.**  
**JavaScript websites ko "Dynamic" aur "Interactive" banata hai.**

## ****JavaScript ?****

JavaScript ko likhne ke **3 tareeke** hote hain:

1. **Inline JavaScript** (onclick, onmouseover etc.)
2. **Internal JavaScript** (HTML page ke <script> tag me likhna)
3. **External JavaScript** (.js file bana kar alag likhna)

**JavaScript me **3 types ke variables** hote hain:**

1. var (Old & Avoided)
2. let (Modern & Recommended)
3. const (Fixed Value)

### var ****(Avoid Karna Chahiye)****

* **Function-scoped** hota hai.
* **Re-declare & Update** ho sakta hai.
* **Global ho sakta hai agar function ke andar na ho**.
* **Hoisting** support karta hai.

### let ****(Recommended for Variables)****

* **Block-scoped** hota hai {} ke andar.
* **Re-declare nahi hota** (Error aayegi).
* **Value update ho sakti hai**.

### 3. const ****(Constant & Fixed)****

* **Block-scoped** hota hai {} ke andar.
* **Re-declare & Update dono nahi hota** (Fix hota hai).

## JavaScript Operators

**Operators** are used to assign values, compare values, perform arithmetic operations, and more.

There are different types of JavaScript operators:

* Arithmetic Operators
* Assignment Operators
* Comparison Operators
* Logical Operators
* Conditional Operators
* Type Operators

### JavaScript has 8 Datatypes

Primitive Data Types

String  
Number  
Bigint  
Boolean  
Undefined  
Null  
Symbo

Non-Primitive (Reference) Data Types

Object

**JavaScript Operators**

**Operator Type**

1. Arithmetic Operators
2. Assignment Operators
3. Comparison Operators
4. Logical Operators
5. Bitwise Operators
6. Ternary Operator