



# Report On JavaScript

## Introduction

JavaScript is a programming language used for web development. One of the core concepts of JavaScript is the use of operators and variables. In this report, we will discuss the various types of operators and variables used in JavaScript and how they work.

## JavaScript Datatypes

<b>String</b>	Strings are used to represent text. They are enclosed in single or double quotes, like "Hello, world!".
<b>Number</b>	Numbers are used to represent numeric values. They can be either integers or floating-point numbers.
<b>Boolean</b>	Booleans are used to represent true or false values.

## Objects

<b>Arrays</b>	Arrays are used to store multiple values in a single variable. Eg : <code>var fruits = ['apple', 'banana', 'orange']</code>
<b>Object</b>	Objects are used to represent complex data structures, consisting of key-value pairs. Eg : <code>const person = {firstName:"Sakshi", lastName:"Narkhede", age:20};</code>
<b>Date</b>	Eg: <code>const date = new Date("2023-03-19");</code>

## JavaScript Variables

Variables are used to store values in JavaScript. To declare a variable in JavaScript, you use the <code>var</code> , <code>let</code> , or <code>const</code> keyword, followed by the variable name.
<code>let weight = 7.5;</code>
<code>const cars = ["Saab", "Volvo", "BMW"];</code>
<code>var x = "hello world";</code>

JavaScript Operators	
Arithmetic Operators	Arithmetic operators are used to perform arithmetic operations on numeric values. The most commonly used arithmetic operators in JavaScript are + (addition), - (subtraction), * (multiplication), / (division), and % (modulus).
Comparison Operators	Comparison operators are used to compare values. The most commonly used comparison operators in JavaScript are == (equal to), != (not equal to), < (less than), > (greater than), <= (less than or equal to), and >= (greater than or equal to).
Assignment Operators	Assignment operators are used to assign values to variables. The most commonly used assignment operator in JavaScript is the = (equals) operator.
Logical Operators	Logical operators are used to combine two or more conditions. The most commonly used logical operators in JavaScript are && (and),    (or), and ! (not).

References

- [https://www.w3schools.com/js/js\\_datatypes.asp](https://www.w3schools.com/js/js_datatypes.asp)
- [https://www.w3schools.com/js/js\\_operators.asp](https://www.w3schools.com/js/js_operators.asp)
- [https://www.w3schools.com/js/js\\_variables.asp](https://www.w3schools.com/js/js_variables.asp)

Thank You! 

