



Javascript - Operators introduction

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We will start with the following concepts

- 1) What are JS operators ?
- 2) Types of JS operators
- 3) Stuff we can do with JS operators

Operators is how you perform various calculations!

- ★ In real life, you can find yourself performing calculations over data or performing checks. In programming world, this is done using operators.
- ★ We will be talking about the following types of operators -
 - **Arithmetic** - Additions, subtraction, multiplication, division, modulus.
 - **Assignment operators**
 - **Comparison** - equal to , not equal to, greater than, less than etc.
 - **Logical** - and, or , not etc.
 - **type** - typeof

Arithmetic operators are your mathematical friends

Operator	Numbers	String	Object	Array
Additions				
Subtraction				
Multiplication				
Division				
Modulus				

Assignment operators are shortcuts that make your life easier

x = 10 and Y=5

Operator	Example	Same As	Result
=	x=y		x=5
+=	x+=y	x=x+y	x=15
-=	x-=y	x=x-y	x=5
=	x=y	x=x*y	x=50
/=	x/=y	x=x/y	x=2
%=	x%=y	x=x%y	x=0

You should use the operators involving arithmetic to Number only !

Comparison operators are not Judgemental!

Operators	Symbol	Numbers	String
Equal to	==		
Equal value and type	===		
Not equal	!=		
Greater than	>		
Less than	<		

Comparison operators are not Judgemental!

Operators	Symbol	Numbers	String
Greater than or equal to	\geq		
less than or equal to	\leq		

Type operators tell us the type of the variable

- Let's apply type operator to each of the data types we have seen
- Now how to differentiate between Arrays and Objects?
- There is another category of operators which is **Logical operators**. We will be covering them next with another topic called - **conditionals**.
- I have intentionally left some difficult concepts out of these discussions. You will learn them in later videos when we are trying to create more complex programs.

The next steps are ...

- Javascript - Conditionals