**Operators in JavaScript ---**

An operator is a symbol use to perform operation in given programming language .

There are different types of JavaScript operators:

* Arithmetic Operators
* Assignment Operators
* Comparison Operators
* String Operators
* Logical Operators
* Bitwise Operators
* Ternary Operators
* Type Operators
  + 1. **Unary operator**

Operator require operands to perform its operation. Unary operators are those, which takes one operand to perform its task.

**+ , - , ++, - -, sizeof()**

**Unary + and –**

These operators can not be use for as addition and subtraction . These are unary + and –, used to make sign positive or negative. For example -3, +4, -345 etc.

**Unary increment Operator**

Pre-increment (++x) Job of pre-increment and post-increment operators are same but .

Post-increment(x++) there is a difference in priority. Pre-increment has higher priority

than post-increment. In fact, post-increment has the least priority

among all the operator.

**Working of**

* Pre-increment (++x) :- first increase the value of b then assign.
* Post-increment(x++) :- first assign in a then increase the value of b

.

**Unary typeof()**

typeof() operator is used to evaluate the size of data type, variable or constant.

* + 1. **Arithmetic Operators/Binary operator.**

\*, \ , % , +, - , \*\* , - - , + +

Arithmetic operators is used to performs the operation with two operands.

Operators \*, / and % are having same priority but higher priority than + and -. Operator + and – are having equal priority.

## JavaScript Assignment Operators

|  |  |  |
| --- | --- | --- |
| **Operator** | **Example** | **Same As** |
| = | X=Y | X=Y |
| += | X+=Y | X=X+Y |
| -= | X-=Y | X=X-Y |
| \*= | X\*=Y | X=X\*Y |
| /= | X/=Y | X=X/Y |
| %= | X%=Y | X=X%Y |
| \*\*= | X\*\*=Y | X=X\*\*Y |

## JavaScript Comparison Operators

|  |  |
| --- | --- |
| **Operator** | **Meaning** |
| = | Equal to |
| === | Equal value and equal type |
| ! = | not equal |
| ! == | not equal value or not equal type |
| > | greater than |
| < | less than |
| >= | greater than or equal to |
| ,<= | less than or equal to |
| ? | ternary operator |
|  |  |
|  |  |