# JavaScript Operators

- description : JavaScript Operators
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## Source of the article

[JavaScript Operators](#)

### Example

(variables)            ,       .

```
var x = 5;        //   5        x
var y = 2;        //   2        y
var z = x + y;    //   7        z        (5 + 2)
```

**(assignment)**     *(=)*                .

### Assignment(    )

```
var x = 10;
```

**(addition)**     *(+)*          .

### Adding

```
var x = 5;
var y = 2;
var z = x + y;
```

**(mulitiplication)**     *(*)*          .

## Multiplying

```
var x = 5;
var y = 2;
var z = x * y;
```

# JavaScript Arithmetic Operators

(Arithmetic Operators)                          .

| Operator | Description |
| --- | --- |
| + | Addition (        ) |
| - | Subtraction (      ) |
| * | Multiplication (         ) |
| **\| Exponentiation (           ) (ES2016) \| \| / \| Division (         ) \| \| % \| Modulus (Division Remainder) (                   ) \| \| ++ \| Increment (    ) \| \| – \| Decrement (      ) \|** <br> **=====JavaScript Assignment Operators=====**              ( <br>        **)    JavaScript**                    . <br><br> **\| 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 |

(+=)                          .

## Assignment

```
var x = 10;
x += 5;         // x = x + 5 = 10 + 5 = 15
```

# JavaScript String Operators

+                (strings)              (          )                          .

## Example

```
var txt1 = "John";
```

```
var txt2 = "Doe";
var txt3 = txt1 + " " + txt2;     // txt3 : John Doe
```

+= (string) ( ) .

## Example

```
var txt1 = "What a very ";
txt1 += "nice day";          // txt1 : What a very nice day
```

, %%+%%                        (concatenation operator)
 .\\

# Adding Strings and Numbers

, .

## Example

```
var x = 5 + 5;        // x = 10
var y = "5" + 5;      // y = 55
var z = "Hello+ +5;    // z = Hello5
```

# JavaScript Comparison Operators

(Comparison Operators)

| Operator | Description |
|----------|-------------|
| == | 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 ( ) |

# JavaScript Logical Operators

(Logical Operators)

| Operator | Description | |
|---|---|---|
| && | logical and ( ) | |
| | | logical or ( ) |
| ! | logical not | |

# JavaScript Type Operators

| Operator | Description |
|---|---|
| typeof | . |
| instanceof | true . |

,, Javascript, Operators