

# 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;
```

(multiplication) (\*) .

## Multiplying

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

# JavaScript Arithmetic Operators

(Arithmetic Operators)

| Operator   | Description   |
|--|---|
| +  | Addition ( )  |
| -  | Subtraction ( )   |
| *  | Multiplication ( )  |
| Exponentiation ( ) (ES2016)   /   Division ( )   %  <br>Modulus (Division Remainder) ( )   ++   Increment ( )<br>가)   -   Decrement ( )  <br>=====JavaScript Assignment Operators=====<br>) JavaScript | x = y   x = x y<br><br>  Operator ^ Example ^ Same As ^   =   x = y   x = y     +=   x += y   x<br>= x + y     -=   x -= y   x = x - y     *=   x *= y   x = x * y     /=   x /= y   x<br>= 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                           |
|--------------------|---------------------------------------|
| <code>==</code>    | equal to ( )                          |
| <code>===</code>   | equal value and equal type ( )        |
| <code>!=</code>    | not equal ( )                         |
| <code>!==</code>   | not equal value or not equal type ( ) |
| <code>&gt;</code>  | greater than ( )                      |
| <code>&lt;</code>  | less than ( , )                       |
| <code>&gt;=</code> | greater than or equal to ( )          |
| <code>≤</code>     | less than or equal to ( )             |
| <code>?</code>     | ternary operator ( )                  |

# JavaScript Logical Operators

(Logical Operators)

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

# JavaScript Type Operators

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

., Javascript, Operators

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