

# JavaScript Operators

- description : JavaScript Operators
- author :
- email : shlim@repia.com
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[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 ( )   %   Modulus (Division Remainder) ( )   ++   Increment ( ) 가)   -   Decrement ( )   =====JavaScript Assignment Operators===== ( ) ) JavaScript	x = y   x = x y
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     =	

(+=)

## 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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