

# JavaScript Operators

- description : JavaScript Operators
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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
+	addtion( )
-	subtraction( )
*	Multiplication( )
**	Exponentiation( )
/	Division( )
%	Modulus(Division Remainder)
++	Invcrement ( 가)
--	Decrement ( )

## JavaScript Assignment Operators

(Assignment operators) JavaScript

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	가 true .

., Javascript, Operators

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