JavaScript Operators

- description : JavaScript Operators
- author :
- email : shlim@repia.com
- lastupdate : 2021-04-20

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
+	adddtion( )
-	subtraction( )
*	Multiplication( )
**	Exponentiation( )
/	Division( )
%	Modulus(Division Remainder)
++	Invcrement ( )
--	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	true .

,, [Javascript](#), [Operators](#)