

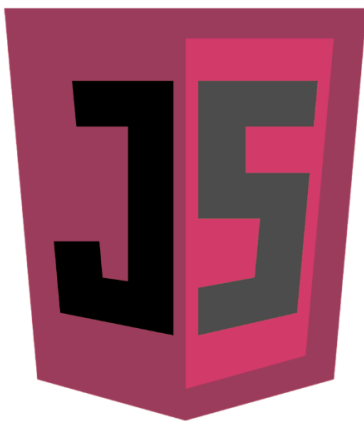
Assignment Operators

In this lesson, we'll meet the Assignment operators!
Let's begin!

WE'LL COVER THE FOLLOWING



- Compound assignment operators



Assignment Operators



You can set the value of variables or object instance properties with the assignment operator:

JS index.js

```
var value = 8;  
var message = "str" + value;  
var obj = new Object();  
obj.prop = 42;
```



There are common situations, such as this:

js index.js

```
var myNum = 12;  
myNum = myNum + 23;
```



You can change the second line to use a compound assignment:

js index.js


```
var myNum = 12;  
myNum += 23;
```



Compound assignment is a shorthand notation for these common situations, you can use them for arithmetic and bitwise shift operators, as summarized in the table below:

Compound assignment operators

Operator	Assignment	Meaning
+	+=	v += a goes to v = v + a
-	-=	v -= a goes to v = v - a
*	*=	v *= a goes to v = v*a
/	/=	v /= a goes to v = v/a
%	%=	v %= a goes to v = v%a
<<	<<=	v <<= a goes to v = v << a
>>	>>=	v >>= a goes to v = v >> a
>>>	>>>=	v >>>= a goes to v = v >>> a

 **NOTE:** These operators do not necessarily provide any performance improvement.

In the *next lesson*, we will learn about conditional, comma, typeof and instanceof operators.

