

Study Guide - Operators

An operator combines one or two expressions and performs an operation on the expression

Mathematical Operators

Add	Subtract	Multiply	Divide	Modulus
+	-	*	/	%
<code>3 + x</code>	<code>y - z</code>	<code>total * 100</code>	<code>loan / months</code>	<code>7 % 2</code>

String Operator

+ (String concatenate)

Example: `"Total: " + total`

Comparison Operators

Greater than	Greater than or equal to	Less than	Less than or equal to	Is equal to	Not equal to
>	>=	<	<=	==	!=
<code>price > 100</code>	<code>hits >= 10</code>	<code>i < 100</code>	<code>score <= 0</code>	<code>x == 0</code>	<code>s != ""</code>

Assignment Operators

= (Equals)

Example: `x = 7, name = "Bob"`

Logical Operators

And	Or	Not
&&	 	!
<code>(x < 10) && (x > 0)</code>	<code>(weight != 0) (height > 100)</code>	<code>!(draft == false && final == false)</code>

Compound Operators

`+= -= *= /= %= ++ --`