OVERVIEW: JAVASCRIPT OPERATORS

IN THIS LESSON

Operators & operands

Using multiple operators

Operator categories

OPERATORS & OPERANDS

Operators are characters that operate on one or more values

The operation can take many forms - an assignment, a comparison, a mathematical operation, etc

Assignment operator:　　`x = 5;`

The values involved in an operation are called **operands** - in this case, x is the left operand, 5 is the right operand

operator with 1 left and 1 right operand (most common): binary operator
operator with 1 operand: unary operator
operator with 3 operands (only one): ternary operator

USING MULTIPLE OPERATORS

More than one operator can be used in a single statement: $x = y + 3;$

You can have multiple operators in the same operand: $x = y + 3 * 5$

There is an established order of operator precedence - for example, as in math, multiplication operations are done before addition operations

Use parentheses to make clear your intended order of operations:

$x = y + (3 * 5)$ is not the same as $x = (y + 3) * 5$

OPERATOR CATEGORIES

Comparison Operators

Logical Operators

Assignment Operators

Arithmetic Operators

String Operators

& more