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Java Script Review - Web Development

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One concept that I did not know about fully before the reading was "Logical Operators." Logical operators are applied to Boolean values in form of *and*, *or*, and *not*. These operators are also used in *Processing*, we did go over them a bit. But we did not go into with the detail the reading provided.

Logical *and* is represented with a binary operator &&.

Example:

var pet1 = "dog";

var pet2 = "cat";

var pet3 = "fish";

//Based on if both values given are true//

pet1 === "dog" && pet2 === "cat"

**true**

pet1 === "poodle" && pet2 === "cat"

**false**

Logical or is presented with the operator ||. It presents true if either values are true.

Example:

pet1 === "dog" || pet2 === "cat"

**true**

pet1 === "poodle" || pet2 === "rabbit"

**False**

*Not*  uses !, it is a unary operator and it flips or inverts that value you give to it.

Example:

!false gives you **true**

!true gives you **false**

You can use parentheses to know the order of operation and to keep you organized. If you want one part of the question to be first add parentheses to it and that is what will be solved first.

Example:

(pet1 === "poodle" || pet2 === "dog") && pet3 === "fish"

**false**

The order of importance for these operators from lowest to highest is ||, &&, then comparison operators. The last logical operator the reading mentions is *ternary*. This uses a question mark and colon. The value on the left is used to pick which other two values will come out. If it's true the middle value will be written, if false the value on the right is used.

Example from the reading:

console.log(true ? 1:2);

// 1

console.log(false ? 1:2);

//2