



↑ Current Skill Comparison Operators
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 Compar

Comparison Operators

Remember booleans values? Booleans are either true or false.

Ve can compare two numbers with >, >=, ==, ===, <=, <.

(We will discuss the difference between == and === in the next slide.).

For the rest of the operators the result of the comparison is a boolean.

The ! operator:

The! operator negates its operand. True becomes false, and false becomes true.

Comparison Operators

The comparison operators take simple values (numbers or strings) as arguments and evaluate them to be either true or false. Here is a list of comparison operators.

Operator	Comparison	Description
Equal (==)	x == y	Returns true if the operands are equal.
Not equal (!=)	x != y	Returns true if the operands are not equal.
Strict equal (===)	x === y	Returns true if the operands are equal and of the same type.
Strict not equal (!==)	x !== y	Returns true if the operands are not equal and/or not of the same type
Greater than (>)	x > y	Returns true if the left operand is greater than the right operand
Greater than or equal (>=)	x >= y	Returns true if the left operand is greater than or equal to the right operand
Less than (<)	x < y	Returns true if the left operand is less than the right operand

Operator	Comparison	Description
Less than or equal (<=)	x <= y	Returns true if the left operand is less than or equal to the right operand

Comparison Operators

Truthy & Falsy:

Before we continue, let's explore in detail the notions of truthy and falsy.

Truthy: Something which evaluates to TRUE.

Falsy: Something which evaluates to FALSE.

It's mostly logical. One (1) is truthy, Zero (0) is falsy. An object of any kind (including functions, arrays, RegExp objects, etc.) is always truthy. The easiest way to determine if something is truthy is to determine that it's not falsy.

There are only six falsy values in JavaScript:

undefined, null, NaN(Not A Number), 0, ""(empty string), and false

```
console.log(Boolean(undefined));
console.log(Boolean(null));
console.log(Boolean(NaN));
console.log(Boolean(""));
console.log(Boolean(0));
console.log(Boolean(false));
```

Previous next >

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