

JavaScript Type Conversion

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Converting Strings to Numbers

The global method `Number()` converts a variable (or a value) into a number.

A numeric string (like "3.14") converts to a number (like 3.14).

An empty string (like "") converts to 0.

A non numeric string (like "John") converts to `NaN` (Not a Number).

Converting Numbers to Strings

The global method `String()` can convert numbers to strings.

It can be used on any type of numbers, literals, variables, or expressions

Method	Description
<code>toExponential()</code>	Returns a string, with a number rounded and written using exponential notation.
<code>toFixed()</code>	Returns a string, with a number rounded and written with a specified number of decimals.
<code>toPrecision()</code>	Returns a string, with a number written with a specified length

Method	Description
getDate()	Get the day as a number (1-31)
getDay()	Get the weekday a number (0-6)
getFullYear()	Get the four digit year (yyyy)
getHours()	Get the hour (0-23)
getMilliseconds()	Get the milliseconds (0-999)
getMinutes()	Get the minutes (0-59)
getMonth()	Get the month (0-11)
getSeconds()	Get the seconds (0-59)
getTime()	Get the time (milliseconds since January 1, 1970)

Converting Booleans to Numbers

The global method `Number()` can also convert booleans to numbers

Converting Booleans to Strings

The global method `String()` can convert booleans to strings.

Automatic Type Conversion

When JavaScript tries to operate on a "wrong" data type, it will try to convert the value to a "right" type.