

Lesson

Weekend

Introduction to Programming
(/introduction-to-programming)
/ JavaScript and Web Browsers
(/introduction-to-programming/javascript-and-web-browsers)
/ Data Types: Detection, Conversion, and Review

Text

Cheat sheet

JavaScript Data Types — Primitives

- **Boolean:** true or false.
- **Number:** A numerical value, like 5, 8.39, -Infinity, or NaN.
- **String:** Content inside of quotes. Such as "This is a string!".
- **Undefined:** An object (such as a variable) without a defined value.
- **Null:** For now, know that this represents nothingness. We'll explore this more later.

Functions and Methods for Data Type Conversion

- `parseInt()` : Converts a string to a number.
- `Number.prototype.toString()` : Converts a number to a string.
- `Boolean.prototype.toString()` : Converts a boolean to a string.

Examples

Data Type Detection

To check the data type of a variable or value:

```
> typeof 5;  
"number"
```

Data Type Conversion

To convert a string to a number:

```
> const myNumber = parseInt("42")  
> myNumber;  
42
```

To convert a number to a string:

```
> const convertedNumber = 42..toString();  
> convertedNumber;  
"42"
```

To convert a boolean to a string:

```
> const convertedBool = true.toString();  
> convertedBool;  
"true"
```

[Previous \(/introduction-to-programming/javascript-and-web-browsers/practice-assignment-comparison-and-equality-operators\)](#)

[Next \(/introduction-to-programming/javascript-and-web-browsers/another-look-at-javascript-objects\)](#)

Lesson 20 of 75

Last updated March 24, 2023

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