

Professional Skills
Agile Fundamentals
Jira
Git
Databases Introduction
Java Beginner
Maven
Testing (Foundation)
Java Intermediate
HTML
CSS
JavaScript
<div><div></div>What is JavaScript</div>
<div><div></div>Getting started with JS</div>
<div><div></div>Variables</div>
<div><div></div>Data types</div>
<div><div></div>ASI</div>
<div><div></div>Strict mode</div>
<div><div></div>Iteration</div>
<div><div></div>Conditionals with Truthy / Falsey</div>
<div><div></div>Objects, Arrays + JSON</div>
<div><div></div>Structuring JS Code</div>
<div><div></div>Destructuring</div>
<div><div></div>Scope</div>
<div><div></div>Functions, function expressions and arrow functions</div>
<div><div></div>The ECMAScript 6 Specification</div>
<div><div></div>OOP in JavaScript</div>
<div><div></div>Best Practices</div>
<div><div></div>Closures</div>
<div><div></div>Callbacks and Promises</div>
<div><div></div>Cookies</div>
<div><div></div>Hoisting</div>
<div><div></div>Prototypes</div>
<div><div></div>Query Parameters</div>
<div><div></div>Higher Order Functions</div>

Conditionals with Truthy / Falsey

Contents

- [Overview](#)
- [IF - Statement](#)
- [Checking for equality and type](#)
- [Tutorial](#)
- [Exercises](#)

Overview

JavaScript variables are loosely / dynamically typed; therefore the language doesn't care how a value is declared nor changed.
Each value has an **inherent boolean value** generally known as either *truthy* or *falsey*.

All values are TRUTHY unless they are defined as FALSEY.

These variables are *always* FALSEY:

- false
- 0 (zero)
- ' ' or "" (empty string)
- undefined
- null
- NaN

Everything else is TRUTHY:

- '0' - (String containing single digit 0)
- 'false' - (String containing text - 'false')
- [] - (An empty array)
- { } - (An empty object)
- function(){ } - (An 'empty' function)

IF - Statement

The below code is a template for having conditionally executed code based on a boolean condition being met.

```
if (condition) { // Boolean operation
  statement;
  // value is TRUTHY if condition is met
} else if () { // Additional OPTIONAL boolean operation
  statement;
} else {
  statement;
  // value is FALSEY if condition is NOT met
}
```

Note: It is acceptable to have many *else if* statements within the block. Each *else if* is checked in order of appearance.

► Ternary If

Checking for equality and type

Types in a type insensitive language can be interesting...

