Technical

Primitive/value vs referenced type

Primitives: Strings number Boolean undefined null

If the value is a number , string , boolean , undefined , null , or symbol , it's a primitive value. If it's anything else (i.e. typeof object ), it's a reference value.

const age = 28; // primitive

const name = "Tyler"; // primitive

const loading = false; // primitive

const user = undefined; // primitive

const response = null; // primitive

const counter = Symbol("counter"); // primitive

const user = { name: "Tyler" }; // reference

const friends = ["Jake", "Mikenzi"]; // reference

const doThing = () => ({}); // reference

Static vs Dynamic var

Static cannot change in runtime and dynamic is otherwise

Objects

Like an object in real life. Contains properties

Let person = {name : Jason, age : 25};

person.name = John

JS Summary

JS Tutorial

* Introduction to JS/ Fundamentals
* Syntax
* Variables
  + Primitive
  + Reference
* Arithmetics
* Logical statements
* Conditionals
  + If statements
  + Switch case
* Loops
  + For
  + For each
  + While / do While
  + For In
  + For Of
* Statements
* Exceptions
* Boolean
* Functions
  + Return
  + Arrow
  + This
* Classes

In JavaScript, almost "everything" is an object.

* Booleans can be objects (if defined with the new keyword)
* Numbers can be objects (if defined with the new keyword)
* Strings can be objects (if defined with the new keyword)
* Dates are always objects
* Maths are always objects
* Regular expressions are always objects
* Arrays are always objects
* Functions are always objects
* Objects are always objects

All JavaScript values, except primitives, are objects.

Web API

Browser API and Server API

All browsers have a set of built-in Web APIs to support complex operations, and to help accessing data.

Third party APIs are not built into your browser.

To use these APIs, you will have to download the code from the Web.

Examples:

* YouTube API - Allows you to display videos on a web site.
* Twitter API - Allows you to display Tweets on a web site.
* Facebook API - Allows you to display Facebook info on a web site.

//https://developer.mozilla.org/en-US/docs/Web/API/Fetch\_API/Using\_Fetch

Fetch Function

Improved XMLHttpRequest

Things to note:

Promise/Then

JSON Object

Headers

Method Post

stringify