Javascript Objects Research By Jacob

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1.<https://www.w3schools.com/js/js_objects.asp>

2.<https://javascript.info/object>

# **Objects**

As we know from the chapter [Data types](https://javascript.info/types), there are seven language types in JavaScript. Six of them are called “primitive”, because their values contain only a single thing (be it a string or a number or whatever).

In contrast, objects are used to store keyed collections of various data and more complex entities. In JavaScript, objects penetrate almost every aspect of the language. So we must understand them first before going in-depth anywhere else.

3.<https://developer.mozilla.org/en-US/docs/Learn/JavaScript/Objects/Object-oriented_JS>

4.<https://www.tutorialspoint.com/javascript/javascript_objects.htm>

A constructor is a function that creates and initializes an object. JavaScript provides a special constructor function called **Object()** to build the object. The return value of the **Object()** constructor is assigned to a variable.

The variable contains a reference to the new object. The properties assigned to the object are not variables and are not defined with the **var** keyword.

5.<https://code.tutsplus.com/tutorials/the-basics-of-object-oriented-javascript--net-7670>

### **Let's Create an Object**

|  |  |
| --- | --- |
| 1  2  3 | function myObject(){    }; |

Congratulations, you just created an object. There are two ways to create a JavaScript object: they are 'Constructor functions' and 'Literal notation'. The one above is a Constructor function, I'll explain what the difference is shortly, but before I do, here is what an Object definition looks like using literal notation.

|  |  |
| --- | --- |
| 1  2  3 | var myObject = {    }; |

6.<http://www.howtocreate.co.uk/tutorials/javascript/objects>

function myobject() {  
 this.containedValue = 0;  
 this.othercontainedValue = 0;  
 this.anothercontainedValue = 0;  
}  
  
var mything = new myobject();

And there you go, mything is now an instance of class myobject. It will have the following properties, all of which will be 0:

* mything.containedValue
* mything.othercontainedValue
* mything.anothercontainedValue

You could also now write this:

myobject.prototype.newContainedValue = someValue;

7.<http://www.dofactory.com/tutorial/javascript-advanced-objects>

8.<http://www.javascriptkit.com/javatutors/oopjs.shtml>

9.<http://www.htmlgoodies.com/beyond/javascript/calling-object-methods-in-javascript.html>

10.<https://www.w3resource.com/javascript-exercises/javascript-object-exercise-11.php>

Google Search: Javascript Object Method Property

11. <https://www.w3schools.com/js/js_object_methods.asp>

12.<https://teamtreehouse.com/community/difference-between-object-methods-and-object-properies>

13.<http://javascriptissexy.com/javascript-objects-in-detail/>

14.<https://www.thecodeship.com/web-development/methods-within-constructor-vs-prototype-in-javascript/>

15.<https://docs.microsoft.com/en-us/scripting/javascript/reference/object-getownpropertynames-function-javascript>

16.<http://javascript.crockford.com/private.html>

## **Objects**

JavaScript is fundamentally about *objects*. Arrays are objects. Functions are objects. Objects are objects. So what are objects? Objects are collections of name-value pairs. The names are strings, and the values are strings, numbers, booleans, and objects (including arrays and functions). Objects are usually implemented as hashtables so values can be retrieved quickly.

17.<http://www.benmvp.com/learning-es6-enhanced-object-literals/>

18.<https://www.digitalocean.com/community/tutorials/understanding-objects-in-javascript>

First, the object literal.

// Initialize object literal with curly brackets  
const objectLiteral = {};

The object literal initializes the object with curly brackets.

In this next example, we'll use the object constructor.

// Initialize object constructor with new Object  
const objectConstructor = new Object();

19.<https://toddmotto.com/methods-to-determine-if-an-object-has-a-given-property/>

20.<https://hangar.runway7.net/javascript/guide>

Google Search: Javascript Functions and Objects

21.<http://www.htmlgoodies.com/beyond/javascript/calling-object-methods-in-javascript.html>

22.<https://hangar.runway7.net/javascript/guide>

23.<https://blog.kevinchisholm.com/javascript/return-object-literal-from-constructor/>

24.<https://www.thecodeship.com/web-development/methods-within-constructor-vs-prototype-in-javascript/>

25.<https://www.tutorialspoint.com/javascript/javascript_objects.htm>

26.