

# Javascript Objects

- description : Javascript Object Definitions
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## The source of this article

### [Javascript Object Definitions](#)

JavaScript , (objects, ) King . , JavaScript .

JavaScript “ ” .

- Booleans 가 (new )
- Numbers 가 (new )
- Strings 가 (new )
- Dates .
- Maths .
- Regular Expressions( ) .
- Arrays .
- Functions .
- .

(primitive values, ) JavaScript .

## JavaScript Primitives

(primitive value) 가 .

(primitive data type) .

JavaScript 5 가 .

- string
- number
- boolean
- null
- undefined

( )

x = 3.14      x      .      3.14      .

| value     | Type          | Comment                       |
|-----------|---------------|-------------------------------|
| "Hello"   | string        | "Hello" is always "Hello"     |
| 3.14      | number        | 3.14 is always 3.14           |
| true      | boolean       | true is always true           |
| false     | boolean       | false is always false         |
| null      | null (object) | null is always null           |
| undefined | undefined     | undefined is always undefined |

## Objects are Variables

JavaScript

```
// Create and display a variable:  
let person = "John Doe";  
document.getElementById("demo").innerHTML = person;
```

**name : value**      (      )      .

```
let person = {  
  firstName: "John",  
  lastName: "Doe",  
  age: 50,  
  eyeColor: "blue"  
};  
  
document.getElementById("demo").innerHTML = person.firstName + " " +  
person.lastName; // John Doe
```

JavaScript

## Object Properties

JavaScript

**(properties)**      .

| Property  | Value |
|-----------|-------|
| firstName | John  |
| lastName  | Doe   |
| age       | 50    |
| eyeColor  | blue  |

(name value pairs) :

- PHP (Associative arrays)
- Python (Dictionaries)
- C (Hash tables)
- Java (Hash maps)
- Ruby Perl (Hashes)

## Object Methods

(actions) .

,  
(function definition) .

| Property  | Value                                                     |
|-----------|-----------------------------------------------------------|
| firstName | John                                                      |
| lastName  | Doe                                                       |
| age       | 50                                                        |
| eyeColor  | blue                                                      |
| fullName  | function() {return this.firstName + " " + this.lastName;} |

JavaScript (properties) (methods) (named values)

## Creating a JavaScript Object

JavaScript .

가 .

- 
- new .
- , .

```
ECMAScript 5 'Object.create()' .
```

## Using an Object Literal

JavaScript 가 .

{} : ( , age:50) .

가 가 JavaScript .

(spaces) (line breaks) .

## Using the JavaScript Keyword new

4 (properties) 가 JavaScript .

(simplicity), 가 (readability) (execution speed) ,

( ) .

## JavaScript Objects are Mutable

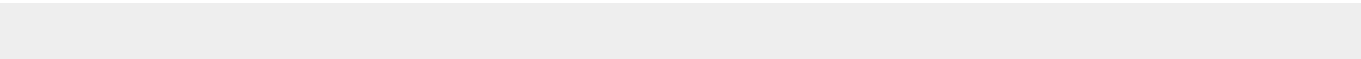
person , person .

person (value) (reference) .

```
var x = person; // This will not create a copy of person.
```

x   person   . person   . x   person   .

x   person   . x   person   .



, [Javascript](#), [Objects](#), [Definitions](#)

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