

# JavaScript Objects

- description : JavaScript Objects
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- lastupdate : 2021-05-20

## The Source of this article

[JavaScript Objects](#)

## Real Life Objects, Properties, and Methods

(Object)

(properties)

(methods)가



Properties	Methods
car.name = Fiat	car.start ( )
car.model = 500	car.drive ( )
car.weight = 850kg	car.brake ( )
car.color = white	car.stop ( )

(properties)

(property values)

(methods)가

## JavaScript Objects

JavaScript 가

car (variable)

(Fiat)

```
// Create and display a variable:  
let car = "Fiat";  
document.getElementById("demo").innerHTML = car; // Fiat
```

(objects) (variables) .  
car (Fiat, 500, white)

```
// Create an object  
let car = { type: 'Fiat', model: '500', color: 'white' };  
  
// Display some data from the object:  
document.getElementById('demo').innerHTML = 'The car type is ' + car.type;  
/* The car type is Fiat */
```

(value) : (name:value) (pairs) ( )  
JavaScript (named values)

## Object Definition

(object literal) JavaScript ( ) .

### Example

```
// Create an object  
let person = { firstName: 'John', lastName: 'Doe', age: 50, eyeColor: 'blue' };  
  
// Display some data from the object:  
document.getElementById('demo').innerHTML = person.firstName + " is " +  
person.age + " years old.";  
/* John is 50 years old. */
```

(spaces) (line breaks)

### Example

```
// Create an object  
let person = {  
  firstName: 'John',
```

```

  lastName: 'Doe',
  age: 50,
  eyeColor: 'blue'
};

// Display some data from the object:
document.getElementById('demo').innerHTML = person.firstName + " is " +
person.age + " years old.";
/* John is 50 years old. */

```

## Object Properties

JavaScript : (name:value) (pairs) (properties) :

Property	Property Value
firstName	John
lastName	Doe
age	50
eyeColor	blue

## Accessing Object Properties

가 (object properties) :

```
objectName.propertyName
```

```
objectName["propertyName"]
```

### Example 1

```

// Create an object:
let person = {
  firstName: "John",
  lastName: "Doe",
  id: 5566
};

// Display some data from the object:
document.getElementById("demo").innerHTML = person.firstName + " " +
person.lastName;

```

```
/* John Doe */
```

## Example 2

```
// Create an object:  
let person = {  
  firstName: "John",  
  lastName: "Doe",  
  id: 5566  
};  
  
// Display some data from the object:  
document.getElementById("demo").innerHTML = person["firstName"] + " " +  
person["lastName"]  
/* John Doe */
```

## Object Methods

가

(actions)

(function definition)

(properties)

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

(Method)

(property)

## Example

```
let person = {  
  firstName: "John",  
  lastName : "Doe",  
  id       : 5566,  
  fullName : function() {  
    return this.firstName + " " + this.lastName;  
  }  
}
```

```
};
```

## The this Keyword

```

    , this      "      "      .
    , this  fullName      "      "      person object      .
    , this.firstName      (this object)  firstName      .
this      The JavaScript this Keyword      .

```

## Accessing Object Methods

(object method) .

```
objectName.methodName()
```

### Example

```

// Create an object:
let person = {
  firstName: "John",
  lastName: "Doe",
  id: 5566,
  fullName: function () {
    return this.firstName + " " + this.lastName;
  }
};

// Display data from the object:
document.getElementById("demo").innerHTML = person.fullName();
/* John Doe */

```

( ) , .

### Example

```

// Create an object:
let person = {
  firstName: "John",
  lastName: "Doe",
  id: 5566,
  fullName: function () {

```

```
    return this.firstName + " " + this.lastName;
  }
};

// Display data from the object:
document.getElementById("demo").innerHTML = person.fullName;
/* function () { return this.firstName + " " + this.lastName; } */
```

## Do Not Declare Strings, Numbers, and Booleans as Object!

JavaScript 가 "new " , 가 .

```
let x = new String(); // Declares x as a String object
let y = new Number(); // Declares y as a Number object
let z = new Boolean(); // Declares z as a Boolean object
```

String, Number, Boolean . 가 가 .

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Last update: 2022/03/10 19:52

