

JavaScript Objects

- description : JavaScript Objects
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[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 .

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

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