

Javascript Objects

- description : Javascript Object Constructors
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The source of this article

[Javascript Object Constructors](#)

```
// Constructor function for Person Objects
function Person(first, last, age, eye) {
  this.firstName = first;
  this.lastName = last;
  this.age = age;
  this.eyeColor = eye;
}

// Create a Person object
let myFather = new Person("Anthony", "Young", 50, "green");

// Display age
document.getElementById("demo").innerHTML =
  "My father is " + myFather.age + "."; // My father is 50.
```

(constructor function)

Object Types (Blueprints) (Classes)

(JS Object Constructors)

“type”

“ ”

“ ”

(object constructor function)

function Person()

new

```
// Constructor function for Person objects
function Person(first, last, age, eye) {
  this.firstName = first;
  this.lastName = last;
  this.age = age;
  this.eyeColor = eye;
}

// Create two person objects
let myFather = new Person("John", "Doe", 50, "blue");
let myMother = new Person("Sally", "Rally", 48, "green");

// Display age
document.getElementById("demo").innerHTML =
  "My father is " + myFather.age + ". My mother is " + myMother.age + ".";
// My father is 50. My mother is 48.
```

The this Keyword

JavaScript this “ ”

this .

 , this , .
this 가 , 가 .

```
'this'    가    .    .    'this'
```

Adding a Property to an Object

가 .

Example

```
// Constructor function for Person objects
function Person(first, last, age, eye) {
  this.firstName = first;
  this.lastName = last;
}
```

```

    this.age = age;
    this.eyeColor = eye;
}

// Create 2 Person objects
let myFather = new Person("John", "Doe", 50, "blue");
let myMother = new Person("Sally", "Rally", 48, "green");

// Add nationality to first object
myFather.nationality = "English";

// Display nationality
document.getElementById("demo").innerHTML =
    "My father is " + myFather.nationality; // My father is English

```

myMother가 (person 가) myFather 가 .

Adding a Method to an Object

가 :

Example

```

// Constructor function for Person Objects
function Person(first, last, age, eye) {
    this.firstName = first;
    this.lastName = last;
    this.age = age;
    this.eyeColor = eye;
}

// Create 2 Person objects
let myFather = new Person("John", "Doe", 50, "blue");
let myMother = new Person("Sally", "Field", 48, "green");

// Add a name method to first object
myFather.name = function () {
    return this.firstName + " " + this.lastName;
};

// Display full Name
document.getElementById("demo").innerHTML =
    "My father is " + myFather.name(); // My father is John Doe

```

Adding a Property to a Constructor

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Example

```
// Constructor function for Person objects
function Person(first, last, age, eye) {
  this.firstName = first;
  this.lastName = last;
  this.age = age;
  this.eyeColor = eye;
}

// You can NOT add a new property to a constructor function
Person.nationality = "English";

// Create 2 Person objects
let myFather = new Person("John", "Doe", 50, "blue");
let myMother = new Person("Sally", "Rally", 48, "green");

// Display nationality
document.getElementById("demo").innerHTML =
  "The nationality of my Father is " + myFather.nationality;
  // The nationality of my Father is undefined
```

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Example

```
// Constructor function for Person objects
function Person(first, last, age, eye) {
  this.firstName = first;
  this.lastName = last;
  this.age = age;
  this.eyeColor = eye;
  this.nationality = "English";
}

// Create 2 Person objects
let myFather = new Person("John", "Doe", 50, "blue");
let myMother = new Person("Sally", "Rally", 48, "green");

// Display nationality
```

```
document.getElementById("demo").innerHTML =
  "My father is " + myFather.nationality + ". My mother is " +
  myMother.nationality;
  // My father is English. My mother is English
```

(default values) 가 .

Adding a Method to a Constructor

Example

```
function Person(name, age) {
  this.name = name;
  this.age = age;
}
Person.prototype.changeName = function(newName) {
  this.name = newName;
}
var person = new Person("John", 30);
person.changeName("Jane");
console.log(person.name); // Jane
```

가 가

가 .

Example

```
function Person(name, age) {
  this.name = name;
  this.age = age;
}
Person.prototype.changeName = function(newName) {
  this.name = newName;
}
var person = new Person("John", 30);
person.changeName("Jane");
console.log(person.name); // Jane
```

changeName() person lastName .

Now You Can Try:

```
function Person(name, age) {
  this.name = name;
  this.age = age;
}
Person.prototype.changeName = function(newName) {
  this.name = newName;
}
var person = new Person("John", 30);
person.changeName("Jane");
console.log(person.name); // Jane
```

JavaScript **this** myMother “ ” person .

Built-in JavaScript Constructors

JavaScript (built-in constructor)가 .

Example

Did You Know?

String, Number	, JavaScript Boolean	가	(primitive data types)
		.	(primitive values)
:			
new Object()		{}	.
new String()		""	.
new Number()		12345	.
new Boolean()		true / false	.
new Array()		[]	.
new RegExp()		/()/	.
new Function()		() {}	.

Example

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

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