Javascript Objects

- description : Javascript Object Constructors
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The source of this article

Javascript Object Constructors

```javascript
// 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   .

```javascript
// 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   .

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

Adding a Property to an Object

                                                    .

Example

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

```javascript
  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
```

myMother   (person   ) myFather   .

Adding a Method to an Object

:

Example

```javascript
// 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

,   .

Example

                                        (default values)   .

Adding a Method to a Constructor

.

Example

.

.

Example

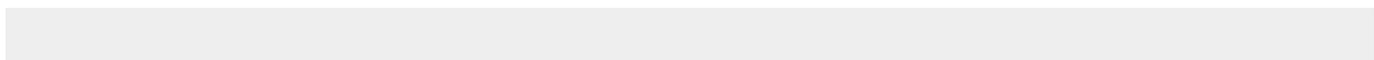changeName()   person   lastName   .

Now You Can Try:
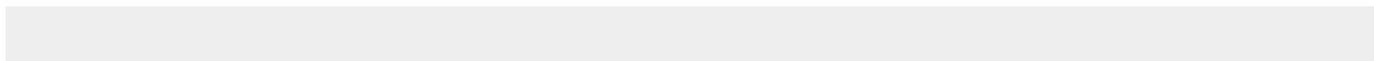
JavaScript **this** myMother " " person .

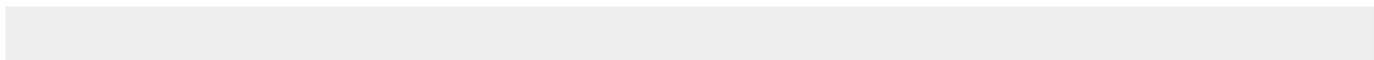# Built-in JavaScript Constructors

JavaScript (built-in constructor) .

Example

Did You Know?

, JavaScript (primitive data types)
`String`, `Number` `Boolean` .
. (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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