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;
```

```
  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

```
// 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

.

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;
}

// 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
```

,   .

Example

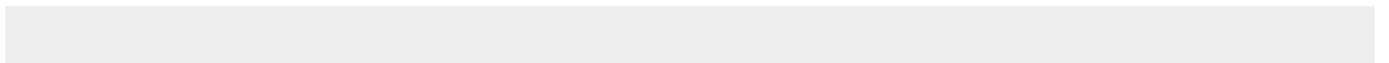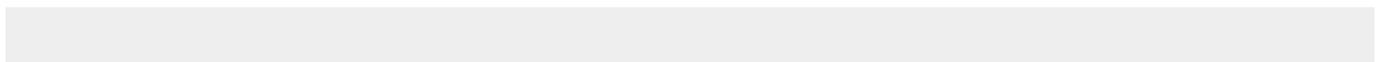(default values)   .

Adding a Method to a Constructor

.

Example

.

.

Example

changeName()   person   lastName   .

Now You Can Try:

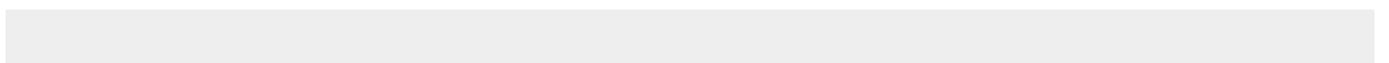| |
|--|
| |

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