



CSS

JAVASCRIPT







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JavaScript Function Apply

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Method Reuse

With the apply() method, you can write a method that can be used on different objects.

The JavaScript apply() Method

The apply() method is similar to the call() method (previous chapter).

In this example the **fullName** method of **person** is **applied** on **person1**:

Example

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

var person1 = {
  firstName: "Mary",
  lastName: "Doe"
}

person.fullName.apply(person1); // Will return "Mary Doe"

Try it Yourself »
```

The Difference Between call() and apply()

The difference is:

The call() method takes arguments **separately**.

The apply() method takes arguments as an array.

The apply() method is very handy if you want to use an array instead of an argument list.

The apply() Method with Arguments

The apply() method accepts arguments in an array:





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```
var person = {
  fullName: function(city, country) {
    return this.firstName + " " + this.lastName + "," + city + "," + country;
var person1 = {
  firstName:"John",
  lastName: "Doe"
person.fullName.apply(person1, ["Oslo", "Norway"]);
Try it Yourself »
```

Compared with the call() method:

fullName: function(city, country) {

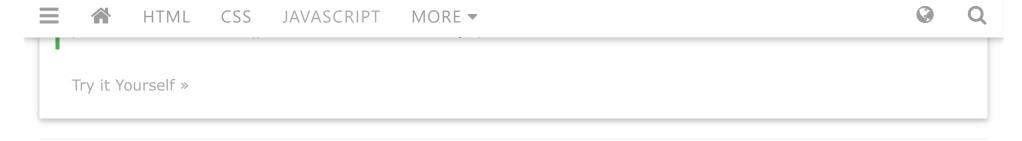
```
Example
 var person = {
```

return this.firstName + " " + this.lastName + "," + city + "," + country;

```
https://www.w3schools.com/js/js function apply.asp
```

firstName:"John", lastName: "Doe"

var person1 = {



Simulate a Max Method on Arrays

You can find the largest number (in a list of numbers) using the Math.max() method:

```
Example

Math.max(1,2,3); // Will return 3

Try it Yourself »
```

Since JavaScript arrays do not have a max() method, you can apply the Math.max() method instead.

```
Example

Math.max.apply(null, [1,2,3]); // Will also return 3

Try it Yourself »
```





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These examples will give the same result:

```
Example
 Math.max.apply(Math, [1,2,3]); // Will also return 3
 Try it Yourself »
```

Example

```
Math.max.apply(" ", [1,2,3]); // Will also return 3
Try it Yourself »
```

Example

```
Math.max.apply(0, [1,2,3]); // Will also return 3
Try it Yourself »
```

JavaScript Strict Mode





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