

JavaScript Array from() Method

The from() method creates a new array that holds the shallow copy from an array or iterable **object**. When applied to a string, each word gets converted to an **array** element in the new array.

Syntax

There is a following possible syntax:

```
Array.from(object,map_fun,thisArg);
```

Parameter

1. **object:** It is the name of the array-like or iterable object on which from() method will be applied.
2. **map_fun:** It is an optional parameter used for calling the elements of the array via map() function.
3. **thisArg:** An optional parameter whose value is used as 'this' when we execute the map_fun.

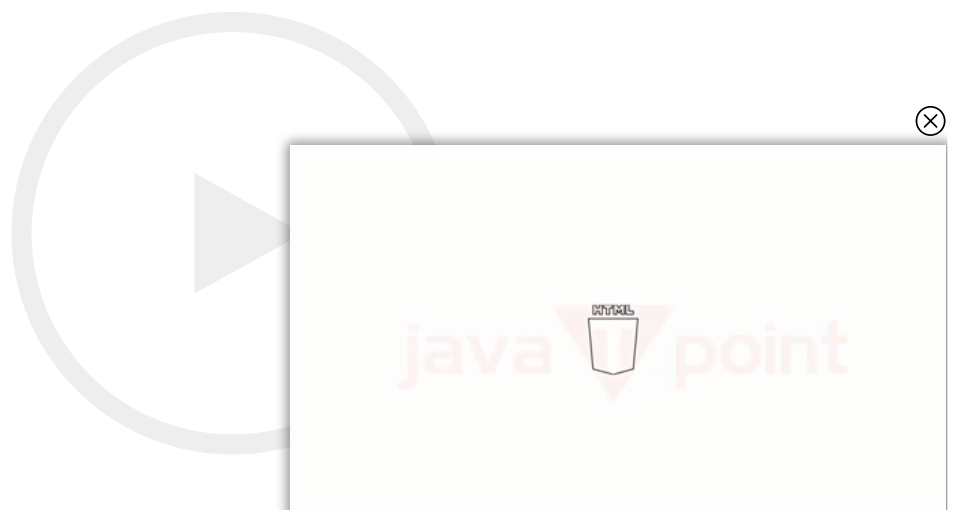
Return

It returns a newly created array.

Note: Array from() method allows to create a new array from an array-like object, specified with a length property and indexed elements. The length property of the from() method is 1 usually.

JavaScript Array from() Method Example

Let's see the below examples to understand better:



Example1

Here's a simple **example** to create an array from a string.

```
<html>
<head> <h5> JavaScript Array Methods </h5> </head>
<body>
<script>
var arr=Array.from("You are viewing an example of string"); //The string will get converted to an array
document.write("The resultant is: <br>" +arr);
</script>
</body>
</html>
```

Test it Now

Output:

JavaScript Array Methods

The resultant is:

Y,o,u, ,a,r,e, ,v,i,e,w,i,n,g, ,a,n, ,e,x,a,m,p,l,e, ,o,f, ,s,t,r,i,n,g

In the output displayed, it is clear that each letter of the string gets converted to an array element.

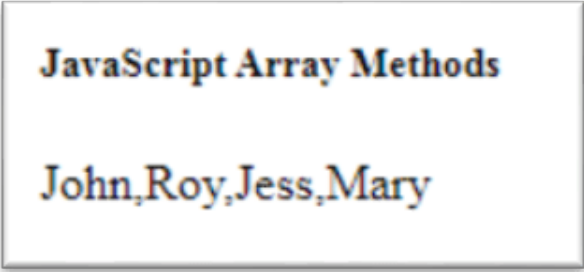
Example2

Here's an example to create an array from an array-like object.

```
<html>
<head> <h5> JavaScript Array Methods </h5> </head>
<body>
<script>
var func = function() {
    document.write(Array.from(arguments)); //Using from
}
func('John','Roy','Jess','Mary'); //value passed to function
</script>
```

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```
</body>  
</html>
```

[Test it Now](#)**Output:**

JavaScript Array Methods
John,Roy,Jess,Mary

Example3

Here's an example to convert a given Set into an array.

```
<html>  
<head> <h5> JavaScript Array Methods </h5> </head>  
<body>  
<script>  
var set = new Set(['C','C++','Java','C','Java','C++','Python','Perl']); //A set of different values.  
document.write(Array.from(set)); //Using from() will convert the given set into an array.  
</script>  
</body>  
</html>
```

[Test it Now](#)**Output:**

JavaScript Array Methods

C,C++,Java,Python,Perl

In the output, we can see that each value occurred only once.

Note: A set is a collection of values that occur only once in the resultant/output. Such behavior maintains the uniqueness of each value present in the set.

Example1

Here's an example of generating a sequence of numbers using length property.

```
<html>
<head> <h5> JavaScript Array Methods </h5> </head>
<body>
<script>
document.write(Array.from({length: 9}, (v, i) => i)); //Here, array is initialized as undefined. Thus, value
</script>
</body>
</html>
```

Test it Now

Output:

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JavaScript Array Methods

0,1,2,3,4,5,6,7,8

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