

JAVASCRIPT - ARRAY EVERY METHOD

http://www.tutorialspoint.com/javascript/array_every.htm

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Description

JavaScript array **every** method tests whether all the elements in an array pass the test implemented by the provided function.

Syntax

Its syntax is as follows –

```
array.every(callback[, thisObject]);
```

Parameter Details

- **callback** – Function to test for each element.
- **thisObject** – Object to use as **this** when executing callback.

Return Value

Returns true if every element in this array satisfies the provided testing function.

Compatibility

This method is a JavaScript extension to the ECMA-262 standard; as such it may not be present in other implementations of the standard. To make it work, you need to add the following code at the top of your script.

```
if (!Array.prototype.every)
{
    Array.prototype.every = function(fun /*, thisp*/)
    {
        var len = this.length;
        if (typeof fun != "function")
            throw new TypeError();

        var thisp = arguments[1];
        for (var i = 0; i < len; i++)
        {
            if (i in this && !fun.call(thisp, this[i], i, this))
                return false;
        }
        return true;
    };
}
```

Example

Try the following example.

```
<html>
<head>
<title>JavaScript Array every Method</title>
</head>

<body>

<script type="text/javascript">
    if (!Array.prototype.every)
    {
```

```
Array.prototype.every = function(fun /*, thisp*/)
{
    var len = this.length;
    if (typeof fun != "function")
        throw new TypeError();

    var thisp = arguments[1];
    for (var i = 0; i < len; i++)
    {
        if (i in this && !fun.call(thisp, this[i], i, this))
            return false;
    }
    return true;
};

function isBigEnough(element, index, array) {
    return (element >= 10);
}

var passed = [12, 5, 8, 130, 44].every(isBigEnough);
document.write("First Test Value : " + passed );

passed = [12, 54, 18, 130, 44].every(isBigEnough);
document.write("Second Test Value : " + passed );
</script>

</body>
</html>
```

Output

```
First Test Value : falseSecond Test Value : true
Loading [MathJax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js
```