

JAVASCRIPT - ARRAY FOREACH METHOD

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

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Description

JavaScript array **forEach** method calls a function for each element in the array.

Syntax

Its syntax is as follows –

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

Parameter Details

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

Return Value

Returns the created array..

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 following code at the top of your script.

```
if (!Array.prototype.forEach)
{
    Array.prototype.forEach = 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);
        }
    };
}
```

Example

Try the following example.

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

<body>

<script type="text/javascript">
    if (!Array.prototype.forEach)
    {
        Array.prototype.forEach = 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);
}

};

function printBr(element, index, array) {
  document.write("<br />[" + index + "] is " + element );
}
[12, 5, 8, 130, 44].forEach(printBr);
</script>

</body>
</html>
```

Output

```
[0] is 12
[1] is 5
[2] is 8
[3] is 130
[4] is 44
```

Loading [MathJax]/jax/output/HTML-CSS/jax.js