

Array

Property Summary

Object	<code>[index]</code>
	Get an element by index.
Number	<code>length</code>
	Get the length of the array.

Method Summary

Array	<code>concat(value1)</code>
	Returns a new array comprised of this array joined with other array(s) and/or value(s).
Array	<code>concat(value1, value2)</code>
	Returns a new array comprised of this array joined with other array(s) and/or value(s).
Array	<code>concat(value1, value2, valueN)</code>
	Returns a new array comprised of this array joined with other array(s) and/or value(s).
Boolean	<code>every(callback)</code>
	Runs a function on items in the array while that function is returning true.
Boolean	<code>every(callback, thisObject)</code>
	Runs a function on items in the array while that function is returning true.
Array	<code>filter(callback)</code>
	Runs a function on every item in the array and returns an array of all items for which the function returns true.
Array	<code>filter(callback, thisObject)</code>
	Runs a function on every item in the array and returns an array of all items for which the function returns true.
void	<code>forEach(callback)</code>
	Runs a function (callback) on every item in the array.
void	<code>forEach(callback, thisObject)</code>
	Runs a function (callback) on every item in the array.
Number	<code>indexOf(searchElement)</code>
	Returns the first index at which a given element can be found in the array, or -1 if it is not present.
Number	<code>indexOf(searchElement, fromIndex)</code>
	Returns the first index at which a given element can be found in the array, or -1 if it is not present.
Boolean	<code>isArray(obj)</code>
	Checks whether an object is an array or not.
String	<code>join(delimiter)</code>
	Puts all elements in the array into a string, separating each element with the specified delimiter
Number	<code>lastIndexOf(searchElement)</code>
	Returns the last index at which a given element can be found in the array, or -1 if it is not present.
Number	<code>lastIndexOf(searchElement, fromIndex)</code>
	Returns the last index at which a given element can be found in the array, or -1 if it is not present.
Array	<code>map(callback)</code>
	Runs a function on every item in the array and returns the results in an array.
Array	<code>map(callback, thisObject)</code>
	Runs a function on every item in the array and returns the results in an array.
Object	<code>pop()</code>
	Pops the last string off the array and returns it.
Number	<code>push(value1)</code>
	Mutates an array by appending the given elements and returning the new length of the array.
Number	<code>push(value1, value2)</code>
	Mutates an array by appending the given elements and returning the new length of the array.
Number	<code>push(value1, value2, valueN)</code>
	Mutates an array by appending the given elements and returning the new length of the array.
Array	<code>reverse()</code>
	Puts array elements in reverse order.
Object	<code>shift()</code>
	Decreases array element size by one by shifting the first element off the array and returning it.
Array	<code>slice(begin)</code>
	The slice method creates a new array from a selected section of an array.
Array	<code>slice(begin, end)</code>
	The slice method creates a new array from a selected section of an array.
Boolean	<code>some(callback)</code>
	Runs a function on items in the array while that function returns false.
Boolean	<code>some(callback, thisObject)</code>
	Runs a function on items in the array while that function returns false.
Array	<code>sort()</code>
	Sorts the array elements in dictionary order or using a compare function passed to the method.

Array	<code>sort(function)</code>
	Sorts the array elements in dictionary order or using a compare function passed to the method.
Array	<code>splice(arrayIndex, length)</code>
	It is used to take elements out of an array and replace them with those specified.
Array	<code>splice(arrayIndex, length, value1)</code>
	It is used to take elements out of an array and replace them with those specified.
Array	<code>splice(arrayIndex, length, value1, value2)</code>
	It is used to take elements out of an array and replace them with those specified.
Array	<code>splice(arrayIndex, length, value1, value2, valueN)</code>
	It is used to take elements out of an array and replace them with those specified.
Array	<code>unshift(value1, value2, valueN)</code>
	Places element data at the start of an array.

Property Details

[index]

Get an element by index.

Returns

Object

Sample

```
array[0]
```

length

Get the length of the array.

Returns

Number

Sample

```
array.length
```

Method Details

concat

Array concat (value1)

Returns a new array comprised of this array joined with other array(s) and/or value(s).

Parameters

{Object} value1

Returns

Array

Sample

```
array.concat( );
```

concat

Array concat (value1, value2)

Returns a new array comprised of this array joined with other array(s) and/or value(s).

Parameters

{Object} value1

{Object} value2

Returns

Array

Sample

```
array.concat();
```

concat**Array concat (value1, value2, valueN)**

Returns a new array comprised of this array joined with other array(s) and/or value(s).

Parameters

- {Object} value1
- {Object} value2
- {Object} valueN

Returns**Array****Sample**

```
array.concat();
```

every**Boolean every (callback)**

Runs a function on items in the array while that function is returning true. It returns true if the function returns true for every item it could visit.

The callback function is invoked with three arguments: the element value, the element index, the array being traversed.

Parameters

- {Function} callback

Returns**Boolean****Sample**

```
function isNumber(value) { return typeof value == 'number'; }
var a1 = [1, 2, 3];
application.output(a1.every(isNumber));
var a2 = [1, '2', 3];
application.output(a2.every(isNumber));
```

every**Boolean every (callback, thisObject)**

Runs a function on items in the array while that function is returning true. It returns true if the function returns true for every item it could visit.

The callback function is invoked with three arguments: the element value, the element index, the array being traversed.

Parameters

- {Function} callback
- {Array} thisObject

Returns**Boolean****Sample**

```
function isNumber(value) { return typeof value == 'number'; }
var a1 = [1, 2, 3];
application.output(a1.every(isNumber));
var a2 = [1, '2', 3];
application.output(a2.every(isNumber));
```

filter**Array filter (callback)**

Runs a function on every item in the array and returns an array of all items for which the function returns true.

The callback function is invoked with three arguments: the element value, the element index, the array being traversed.

Parameters

- {Function} callback

Returns**Array****Sample**

```
var a1 = ['a', 10, 'b', 20, 'c', 30];
var a2 = a1.filter(function(item) { return typeof item == 'number'; });
application.output(a2);
```

filter**Array filter (callback, thisObject)**

Runs a function on every item in the array and returns an array of all items for which the function returns true.

The callback function is invoked with three arguments: the element value, the element index, the array being traversed.

Parameters{Function} callback
{Array} thisObject**Returns****Array****Sample**

```
var a1 = ['a', 10, 'b', 20, 'c', 30];
var a2 = a1.filter(function(item) { return typeof item == 'number'; });
application.output(a2);
```

forEach**void forEach (callback)**

Runs a function (callback) on every item in the array. The callback function is invoked only for indexes of the array which have assigned values.

The callback function is invoked with three arguments: the element value, the element index, the array being traversed.

Parameters

{Function} callback

Returns**void****Sample**

```
function printThemOut(element, index, array) {
    application.output("a[" + index + "] = " + element);
}
var a = ['a', 'b', 'c'];
a.forEach(printThemOut);
```

forEach**void forEach (callback, thisObject)**

Runs a function (callback) on every item in the array. The callback function is invoked only for indexes of the array which have assigned values.

The callback function is invoked with three arguments: the element value, the element index, the array being traversed.

Parameters{Function} callback
{Object} thisObject**Returns****void****Sample**

```
function printThemOut(element, index, array) {
    application.output("a[" + index + "] = " + element);
}
var a = ['a', 'b', 'c'];
a.forEach(printThemOut);
```

indexOf

Number indexOf (searchElement)

Returns the first index at which a given element can be found in the array, or -1 if it is not present.

Parameters

{Object} searchElement

Returns

Number

Sample

```
var a = ['a', 'b', 'a', 'b', 'a'];
application.output(a.indexOf('b'));
application.output(a.indexOf('b', 2));
application.output(a.indexOf('z'));
```

indexOf**Number indexOf (searchElement, fromIndex)**

Returns the first index at which a given element can be found in the array, or -1 if it is not present.

Parameters

{Object} searchElement
{Number} fromIndex

Returns

Number

Sample

```
var a = ['a', 'b', 'a', 'b', 'a'];
application.output(a.indexOf('b'));
application.output(a.indexOf('b', 2));
application.output(a.indexOf('z'));
```

isArray**Boolean isArray (obj)**

Checks whether an object is an array or not.

Parameters

{Object} obj

Returns

Boolean

Sample

```
var a = [1, 2, 3];
application.output(Array.isArray(a)); //prints true
application.output(Array.isArray(23)); //prints false
```

join**String join (delimiter)**

Puts all elements in the array into a string, separating each element with the specified delimiter

Parameters

{String} delimiter

Returns

String

Sample

```
var words = new Array("limit", "lines", "finish", "complete", "In", "Out");
var jwords = words.join(";;");
```

lastIndexOf**Number lastIndexOf (searchElement)**

Returns the last index at which a given element can be found in the array, or -1 if it is not present. The array is searched backwards, starting at fromIndex.

Parameters

{Object} searchElement

Returns

Number

Sample

```
var a = ['a', 'b', 'c', 'd', 'a', 'b'];
application.output(a.lastIndexOf('b'));
application.output(a.lastIndexOf('b', 4));
application.output(a.lastIndexOf('z'));
```

lastIndexOf

Number **lastIndexOf** (searchElement, fromIndex)

Returns the last index at which a given element can be found in the array, or -1 if it is not present. The array is searched backwards, starting at fromIndex.

Parameters

{Object} searchElement
{Number} fromIndex

Returns

Number

Sample

```
var a = ['a', 'b', 'c', 'd', 'a', 'b'];
application.output(a.lastIndexOf('b'));
application.output(a.lastIndexOf('b', 4));
application.output(a.lastIndexOf('z'));
```

map

Array **map** (callback)

Runs a function on every item in the array and returns the results in an array.

The callback function is invoked with three arguments: the element value, the element index, the array being traversed.

Parameters

{Object} callback

Returns

Array

Sample

```
var a = ['a', 'b', 'c'];
var a2 = a.map(function(item) { return item.toUpperCase(); });
application.output(a2);
```

map

Array **map** (callback, thisObject)

Runs a function on every item in the array and returns the results in an array.

The callback function is invoked with three arguments: the element value, the element index, the array being traversed.

Parameters

{Object} callback
{Array} thisObject

Returns

Array

Sample

```
var a = ['a', 'b', 'c'];
var a2 = a.map(function(item) { return item.toUpperCase(); });
application.output(a2);
```

pop**Object** **pop** ()

Pops the last string off the array and returns it.

Returns**Object****Sample**

```
var words = new Array("limit", "lines", "finish", "complete", "In", "Out");
var lastword = words.pop();
```

push**Number** **push** (value1)

Mutates an array by appending the given elements and returning the new length of the array.

Parameters

{Object} value1

Returns**Number****Sample**

```
var words = new Array("limit", "lines", "finish", "complete");
words.push("In", "Out");
```

push**Number** **push** (value1, value2)

Mutates an array by appending the given elements and returning the new length of the array.

Parameters

{Object} value1

{Object} value2

Returns**Number****Sample**

```
var words = new Array("limit", "lines", "finish", "complete");
words.push("In", "Out");
```

push**Number** **push** (value1, value2, valueN)

Mutates an array by appending the given elements and returning the new length of the array.

Parameters

{Object} value1

{Object} value2

{Object} valueN

Returns**Number****Sample**

```
var words = new Array("limit", "lines", "finish", "complete");
words.push("In", "Out");
```

reverse**Array** **reverse** ()

Puts array elements in reverse order.

Returns**Array**

Sample

```
var words = new Array("limit", "lines", "finish", "complete", "In", "Out");
words.reverse();
```

shift**Object shift ()**

Decreases array element size by one by shifting the first element off the array and returning it.

Returns

Object

Sample

```
var words = new Array("limit", "lines", "finish", "complete", "In", "Out");
words.shift();
```

slice**Array slice (begin)**

The slice method creates a new array from a selected section of an array.

Parameters

{Object} begin

Returns

Array

Sample

```
var words = new Array("limit", "lines", "finish", "complete", "In", "Out");
var nwords1 = words.slice(3, 5);
```

slice**Array slice (begin, end)**

The slice method creates a new array from a selected section of an array.

Parameters

{Object} begin

{Object} end

Returns

Array

Sample

```
var words = new Array("limit", "lines", "finish", "complete", "In", "Out");
var nwords1 = words.slice(3, 5);
```

some**Boolean some (callback)**

Runs a function on items in the array while that function returns false. It returns true if the function returns true for any item it could visit.

The callback function is invoked with three arguments: the element value, the element index, the array being traversed.

Parameters

{Function} callback

Returns

Boolean

Sample

```
function isNumber(value) { return typeof value == 'number'; }
var a1 = [1, 2, 3];
application.output(a1.some(isNumber));
var a2 = [1, '2', 3];
application.output(a2.some(isNumber));
```

some**Boolean** **some** (**callback**, **thisObject**)

Runs a function on items in the array while that function returns false. It returns true if the function returns true for any item it could visit. The callback function is invoked with three arguments: the element value, the element index, the array being traversed.

Parameters

- {**Function**} **callback**
- {**Array**} **thisObject**

Returns**Boolean****Sample**

```
function isNumber(value) { return typeof value == 'number'; }
var a1 = [1, 2, 3];
application.output(a1.some(isNumber));
var a2 = [1, '2', 3];
application.output(a2.some(isNumber));
```

sort**Array** **sort** ()

Sorts the array elements in dictionary order or using a compare function passed to the method.

Returns**Array****Sample**

```
var words = new Array("limit", "lines", "finish", "complete", "In", "Out");
words.sort();
```

sort**Array** **sort** (**function**)

Sorts the array elements in dictionary order or using a compare function passed to the method.

Parameters

- {**Function**} **function**

Returns**Array****Sample**

```
var words = new Array("limit", "lines", "finish", "complete", "In", "Out");
words.sort();
```

splice**Array** **splice** (**arrayIndex**, **length**)

It is used to take elements out of an array and replace them with those specified.

Parameters

- {**Object**} **arrayIndex**
- {**Object**} **length**

Returns**Array****Sample**

```
var words = new Array("limit", "lines", "finish", "complete", "In", "Out");
var nwords1 = words.splice(3, 2, "done", "On");
```

splice**Array** **splice** (**arrayIndex**, **length**, **value1**)

It is used to take elements out of an array and replace them with those specified.

Parameters

{Object} arrayIndex
 {Object} length
 {Object} value1

Returns

Array

Sample

```
var words = new Array("limit","lines","finish","complete","In","Out");
var nwords1 = words.splice(3, 2, "done", "On");
```

splice

[Array](#) **splice** (arrayIndex, length, value1, value2)

It is used to take elements out of an array and replace them with those specified.

Parameters

{Object} arrayIndex
 {Object} length
 {Object} value1
 {Object} value2

Returns

Array

Sample

```
var words = new Array("limit","lines","finish","complete","In","Out");
var nwords1 = words.splice(3, 2, "done", "On");
```

splice

[Array](#) **splice** (arrayIndex, length, value1, value2, valueN)

It is used to take elements out of an array and replace them with those specified.

Parameters

{Object} arrayIndex
 {Object} length
 {Object} value1
 {Object} value2
 {Object} valueN

Returns

Array

Sample

```
var words = new Array("limit","lines","finish","complete","In","Out");
var nwords1 = words.splice(3, 2, "done", "On");
```

unshift

[Array](#) **unshift** (value1, value2, valueN)

Places element data at the start of an array.

Parameters

{Object} value1
 {Object} value2
 {Object} valueN

Returns

Array

Sample

```
var words = new Array("finish","complete","In","Out");
words.unshift("limit","lines");
```

