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JavaScript Array Reference

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Array Object

The Array object is used to store multiple values in a single variable:

```
var cars = ["Saab", "Volvo", "BMW"];
```

Array indexes are zero-based: The first element in the array is 0, the second is 1, and so on.

For a tutorial about Arrays, read our [JavaScript Array Tutorial](#).

Array Properties

Property	Description
<u>constructor</u>	Returns the function that created the Array object's prototype
<u>length</u>	Sets or returns the number of elements in an array
<u>prototype</u>	Allows you to add properties and methods to an Array object

Array Methods

Method	Description
<u>concat()</u>	Joins two or more arrays, and returns a copy of the joined arrays
<u>copyWithin()</u>	Copies array elements within the array, to and from specified positions
<u>every()</u>	Checks if every element in an array pass a test
<u>fill()</u>	Fill the elements in an array with a static value
<u>filter()</u>	Creates a new array with every element in an array that pass a test

<u>find()</u>	Returns the value of the first element in an array that pass a test
<u>findIndex()</u>	Returns the index of the first element in an array that pass a test
<u>forEach()</u>	Calls a function for each array element
<u>indexOf()</u>	Search the array for an element and returns its position
<u>isArray()</u>	Checks whether an object is an array
<u>join()</u>	Joins all elements of an array into a string
<u>lastIndexOf()</u>	Search the array for an element, starting at the end, and returns its position
<u>map()</u>	Creates a new array with the result of calling a function for each array element
<u>pop()</u>	Removes the last element of an array, and returns that element
<u>push()</u>	Adds new elements to the end of an array, and returns the new length
<u>reduce()</u>	Reduce the values of an array to a single value (going left-to-right)
<u>reduceRight()</u>	Reduce the values of an array to a single value (going right-to-left)
<u>reverse()</u>	Reverses the order of the elements in an array
<u>shift()</u>	Removes the first element of an array, and returns that element
<u>slice()</u>	Selects a part of an array, and returns the new array

<u>some()</u>	Checks if any of the elements in an array pass a test
<u>sort()</u>	Sorts the elements of an array
<u>splice()</u>	Adds/Removes elements from an array
<u>toString()</u>	Converts an array to a string, and returns the result
<u>unshift()</u>	Adds new elements to the beginning of an array, and returns the new length
<u>valueOf()</u>	Returns the primitive value of an array

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