

# JavaScript Array -

## Array -

Array is a collection of similar data type's. It is represented with square bracket. Array can store different kinds of values. Array is Nothing but storage of values. When we need to store different kinds of value into single variable then we can use array.

Array together that all similar kind of value and store them into a single variable.

Below is syntax representation of javascript array :

```
const name = ["Vitthal","Arjun","Patil"];
```

Following are the methods are used into array -

Name	Description
concat()	Joins arrays and returns an array with the joined arrays
constructor	Returns the function that created the Array object's prototype
copyWithin()	Copies array elements within the array, to and from specified positions
entries()	Returns a key/value pair Array Iteration Object
every()	Checks if every element in an array pass a test
fill()	Fill the elements in an array with a static value

<code>filter()</code>	Creates a new array with every element in an array that pass a test
<code>find()</code>	Returns the value of the first element in an array that pass a test
<code>findIndex()</code>	Returns the index of the first element in an array that pass a test
<code>forEach()</code>	Calls a function for each array element
<code>from()</code>	Creates an array from an object
<code>includes()</code>	Check if an array contains the specified element
<code>indexOf()</code>	Search the array for an element and returns its position
<code>isArray()</code>	Checks whether an object is an array
<code>join()</code>	Joins all elements of an array into a string
<code>keys()</code>	Returns a Array Iteration Object, containing the keys of the original array
<code>lastIndexOf()</code>	Search the array for an element, starting at the end, and returns its position
<code>length</code>	Sets or returns the number of elements in an array
<code>map()</code>	Creates a new array with the result of calling a function for each array element
<code>pop()</code>	Removes the last element of an array, and returns that element

prototype object	Allows you to add properties and methods to an Array
push() the new length	Adds new elements to the end of an array, and returns
reduce() left-to-right)	Reduce the values of an array to a single value (going
reduceRight() right-to-left)	Reduce the values of an array to a single value (going
reverse()	Reverses the order of the elements in an array
shift() element	Removes the first element of an array, and returns that
slice()	Selects a part of an array, and returns the new array
some()	Checks if any of the elements in an array pass a test
sort()	Sorts the elements of an array
splice()	Adds/Removes elements from an array
toString()	Converts an array to a string, and returns the result
unshift() returns the new length	Adds new elements to the beginning of an array, and
valueOf()	Returns the primitive value of an array