**Array methods**

**1.Array.toString():**

The toString() method returns a string with array values separated by commas.

The toString() method does not change the original array.

*Code:*

const fruits = ["Banana", "Orange", "Apple", "Mango"];  
let text = fruits.toString();

[*Return value*](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/toString#return_value)*:*

Banana,Orange,Apple,Mango

# 2.Array.join():

The join() method returns an array as a string.

The join() method does not change the original array.

Any separator can be specified. The default is comma (,).

*Code:*

const fruits = ["Banana", "Orange", "Apple", "Mango"];

let text = fruits.join(" and ");

[*Return value*](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/join#return_value)*:*

Banana and Orange and Apple and Mango

# 3.Array.concat():

The concat() method concatenates (joins) two or more arrays.

The concat() method returns a new array, containing the joined arrays.

The concat() method does not change the existing arrays.

## *Code:*

### const arr1 = ["Cecilie", "Lone"]; const arr2 = ["Emil", "Tobias", "Linus"]; const children = arr1.concat(arr2);

### [*Return value*](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/concat#return_value)*:*

Cecilie,Lone,Emil,Tobias,Linus

# 4.Array.some():

The some() method checks if any array elements pass a test (provided as a callback function).

The some() method executes the callback function once for each array element.

The some() method returns true (and stops) if the function returns true for one of the array elements.

The some() method returns false if the function returns false for all of the array elements.

The some() method does not execute the function for empty array elements.

The some() method does not change the original array.

*Code:*

1-const ages = [3, 10, 18, 20];

document.getElementById("demo").innerHTML = ages.some(checkAdult);

function checkAdult(age) {

return age > 18;

2-const ages = [3, 10, 18, 20];

document.getElementById("demo").innerHTML = ages.some(checkAdult);

function checkAdult(age) {

return age > 22;

### [*Return value*](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/some#return_value)*:*

1. True
2. False

# 5.Array.every():

The every() method executes a function for each array element.

The every() method returns true if the function returns true for all elements.

The every() method returns false if the function returns false for one element.

The every() method does not execute the function for empty elements.

The every() method does not change the original array

*Code:*

1-const ages = [32, 33, 16, 40];  
ages.every(checkAge)  
function checkAge(age) {  
  return age > 18;  
}

2-const ages = [32, 33, 16, 40];  
ages.every(checkAge)  
function checkAge(age) {  
  return age > 15;  
}

[*Return value*](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/every#return_value)*:*

1. False
2. True

# 6.Array. indexOf():

The indexOf() method returns the first index (position) of a specified value.

The indexOf() method returns -1 if the value is not found.

The indexOf() method starts at a specified index and searches from left to right.

By default the search starts at the first element and ends at the last.

Negative start values counts from the last element (but still searches from left to right).

*Code:*

1-const fruits = ["Banana", "Orange", "Apple", "Mango"];

let index = fruits.indexOf("Apple");

2-const fruits = ["Banana", "Orange", "Apple", "Mango", "Apple"];

let index = fruits.indexOf("Apple", 3);

1-const fruits = ["Banana", "Orange", "Apple", "Mango"];

let index = fruits.indexOf("Pair");

[*Return value*](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/indexOf#return_value)

1. 2
2. 4
3. -1

**Mouse events:**

[**onclick**](https://www.w3schools.com/jsref/event_onclick.asp)**:**

A user clicks on an element

[**oncontextmenu**](https://www.w3schools.com/jsref/event_oncontextmenu.asp)**:**

A user right-clicks on an element

[**ondblclick**](https://www.w3schools.com/jsref/event_ondblclick.asp)**:**

A user double-clicks on an element

[**onmousedown**](https://www.w3schools.com/jsref/event_onmousedown.asp)**:**  
A mouse button is pressed over an element

[**onmouseenter**](https://www.w3schools.com/jsref/event_onmouseenter.asp)**:**  
The mouse pointer moves into an element

[**onmouseleave**](https://www.w3schools.com/jsref/event_onmouseleave.asp)**:**

The mouse pointer moves out of an element

[**onmousemove**](https://www.w3schools.com/jsref/event_onmousemove.asp)**:**

The mouse pointer moves over an element

[**onmouseout**](https://www.w3schools.com/jsref/event_onmouseout.asp)**:**

The mouse pointer moves out of an element

[**onmouseover**](https://www.w3schools.com/jsref/event_onmouseover.asp)**:**

The mouse pointer moves onto an element

[**onmouseup**](https://www.w3schools.com/jsref/event_onmouseup.asp)**:**  
A mouse button is released over an element