<!DOCTYPE html>

<html>

<head>

<style>

[id\*="demo"]{

background-color: #f3f3f3;

padding: 5px;

border: 1px solid #bbb;

border-radius: 7px;

font-family: Verdana, Geneva, Tahoma, sans-serif;

}

</style>

</head>

<body>

<h1>Array Methods</h1>

<p id="demo1">demo1 : </p>

<p id="demo2">demo2 : </p>

<p id="demo3">demo3 : </p>

<p id="demo4">demo4 : </p>

<p id="demo5">demo5 : </p>

<p id="demo6">demo6 : </p>

<p id="demo7">demo7 : </p>

<p id="demo8">demo8 : </p>

<p id="demo9">demo9 : </p>

<script>

var fruits = ["Apple", "Banana", "Orange", "Pear", "Pomegranate"];

//==========> toString()

// converts an array into a string

document.getElementById("demo1").innerHTML += fruits.toString() + " <code>fruits.toString();</code>";

//==========> join("separator")

// joins array elements, it behaves like toString,

but in addition, you can specify the separator.

document.getElementById("demo2").innerHTML += fruits.join("\*") +

" <code>fruits.joins('\*');</code>";

//=============== POPPING AND PUSHING ================//

//==========> pop();

// removes last element of an array!

fruits.pop();

document.getElementById("demo3").innerHTML += fruits +

" <code>fruits.pop(); </code>";

console.log(fruits.pop()); // returns "Pear"

//==========> push();

// adds new element to an array!

fruits.push("Ananas");

document.getElementById("demo4").innerHTML += fruits +

" <code> fruits.push('Ananas')</code>";

console.log(fruits.push()); // returns the new array length

//================ SHIF AND UNSHIFT ==================//

//===========> shift()

fruits.shift(); // removes first array element (Apple)

document.getElementById("demo5").innerHTML += fruits +

" <code>fruits.shift(); </code> ";

//===========> unshift()

// adds new element at the beginning

fruits.unshift("Pomegranate");

document.getElementById("demo6").innerHTML += fruits +

" <code> fruits.unshift('Pomegranate');</code>";

//================ SPLICE ==================//

// add new elements to an array

// splice(whereToAddNewElements, whereToDeleteNewElements, whatToAdd)

var x = fruits.splice(2, 1, "newElement1", "newElement2");

document.getElementById("demo7").innerHTML += fruits +

" <code> fruits.splice(2, 1, 'newElement1', 'newElement2')</code> ";

//================ SLICE ==================//

// slices out a piece of array into a new array

var y = fruits.slice(1, 3);

document.getElementById("demo8").innerHTML += y +

" <code> fruits.slice(1, 3);</code>";

//================ DELETING ELEMENTS ==================//

delete fruits[0]; // create undefined hole in fruits[0]

document.getElementById("demo9").innerHTML += fruits +

" <code> // delete fruits[0]; </code>" ;

</script>

</body>

</html>