<html>

<head>

<script>

var a = new Array();

a[0]="abc";

a[1]="xyz";

a[2]="jkl";

var b = a.concat(a[1]);

document.write("<br/>concatenated string is :"+b);

var c = a.pop();

document.write("<br/>deleted ele is :"+c);

a.push("hhh","jjj");

document.write("<br/><br/>array elements are:"+a);

var c = a.shift();

document.write("<br/><br/>shifted array elements are:"+a);

a.unshift("abc");

document.write("<br/><br/> unshifted array elements are:",a);

//document.write("<br>" ,a.toString());

var ar = new Array();

ar[0]="aaa";

ar[1]="bbb";

ar[2]="ooo";

ar[3]="ttt";

ar[4]="uuu";

ar[5]="ddd";

ar[6]="mmm";

var d = ar.slice(1,4); // will slice from the starting position and end, but does not include the given end argument.

document.write("<br/><br/>array elements are:"+d);

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

fruits.splice(3,0,"Lemon","Grapes" );

document.write("<br>" +fruits);

//  join method.....

var s=ar.join("-");

document.write("<br/><br/>array elements are:"+s);

ar.reverse();

document.write("<br/><br/>array elements are:"+ar);

ar.sort();

document.write("<br/><br/>array elements are:"+ar);

const arr =[1,100,6,4]

arr.sort(); //sorts alphabetically

console.log(arr);

//comparator function for sorting numerically

//if (a<b){return -1},if(a>b){return 1},if (a===b){return 0}

arr.sort(function(a,b){return a-b;})

console.log(arr);

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document.write("<br/> Number is :",Math.max(100,50,4,-80))

document.write("<br/> Number is :",Math.E)

document.write("<br/> Number is :",Number.NaN )

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function check(x) {

    if (isNaN(x)) {

        return "Not a number";  // clearer message

    }

    return x;

}

console.log(check("1"));

------------------------------------------------------

var d = new Date();

document.write("Current date :" + d.toString());

document.write("<br/>Seconds :" + d.getSeconds());

document.write("<br/>Hours :" + d.getHours());

document.write("<br/>Hours :" + d.getFullYear());

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/\* first

count =0;

function log(){

    console.log(count);

    count++;

**add later for clearInterval**

   if(count == 10)

    clearInterval(t);

}\*/

//setTimeout(log,5000);

var t = setInterval(log,2000)

//later and last

count = 0;

function log(){

    console.log(count);

    count++;}

</script>

<input type = "button" value = "click" onclick = "clearInterval(t)">

</head>

</html>