Assignment

java\_Script functions and difference between \r and \n

Method-1 concat()

var a=[1,2,3,4,5]

var b=[6,7,8,9,10]

syntax

a.concat(b)

output:

(10) [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

Method-2 filter()

var a=[1,2,3,4,5,6,7,8]

syntax

a.filter(n=>n%2)

output

(4) [1, 3, 5, 7]

Method-3 every()

var a=[1,2,3,4,5,6,7,8]

syntax

a.every(n=>n>2)

output

false

method-4 forEach()

var a=[1,2,3,4,5,6,7,8]

syntax

a.forEach((item,index)=>{console.log(`a[${index}] is ${item}`)})

output

a[0] is 1

a[1] is 2

a[2] is 3

a[3] is 4

a[4] is 5

a[5] is 6

a[6] is 7

a[7] is 8

method-5 indexOf()

code:

a.indexOf(3)

output

2

Method-6 join()

Code:

a.join('')

output:

"12345678"

Method-7 lastIndexOf()

Code:

a.lastIndexOf(2)

output:

1

Method-8 map()

Code:

a.map(n=>n\*n)

output:

(8) [1, 4, 9, 16, 25, 36, 49, 64]

Method-9 pop()

Code:

a.pop()

output:

8

Method-10 push()

Code:

a.push(9)

method-11 reduce()

code:

a.reduce((total,n)=>total+n,0)

output:

37

Method-12 reduceRight()

Code:

a.reduceRight((total,n)=>total-n)

output:

-19

Method-13 reverse()

Code:

a.reverse()

output:

(8) [9, 7, 6, 5, 4, 3, 2, 1]

Method-14 sort()

Code:

a.sort()

output:

(8) [1, 2, 3, 4, 5, 6, 7, 9]

Method-15 shift()

Code:

a.shift()

output:

1

Method-16: slice

Code: a.slice(1,3)

Output: (2) [3, 4]

Method-17 some()

Code: a.some(n=>n>2)

Output: true

Method-18 splice()

Code: a.splice(1,3,2,2,2)

Output: (3) [3, 4, 5]

Method-19 toString()

Code: a.toString()

Output: "2,2,2,2,6,7,9"

Method-20 unshift()

Code: a.unshift(12)

Method 21 toSource()

var r={a:'b',c:'d'}

code: r.toSource()

output:

Uncaught TypeError: r.toSource is not a function

at <anonymous>:1:3

**Difference between \r and \n**

A **line feed** means moving one line forward. The code is \n  
A **carriage return** means moving the cursor to the beginning of the line. The code is \r.

In windows newline is a character of '\r\n'.

In linux and mac new line is ‘\n’