Mukesh Suthar ( mukesh.suthar@accoliteindia.com )

JavaScript Assignment

**1. Array Methods**

let arr1 = [1,2,3,4,5,6,7]

let arr2 = [-2,4,6,10,12,34]

**Concat**

arr1.concat(arr2)

 [1, 2, 3, 4, 5, 6, 7, -2, 4, 6, 10, 12, 34]

**Every**

arr1.every((item)=> item > 0)

true

arr1.every((item)=> item > 5)

false

**Filter**

arr1.filter((item)=> item % 2==0)

[2, 4, 6]

**forEach**

arr1.forEach((item) => console.log(item\*2))

VM661:1 2

VM661:1 4

VM661:1 6

VM661:1 8

VM661:1 10

VM661:1 12

VM661:1 14

**indexOf**

arr2.indexOf(12)

4

**Join**

arr1.join(" - ")

"1 - 2 - 3 - 4 - 5 - 6 - 7"

**push**

arr2.push(12)

7

**lastIndexOf**

arr2.lastIndexOf(12)

6

**map**

arr1.map((item)=> item\*3)

(7) [3, 6, 9, 12, 15, 18, 21]

**pop**

arr1.pop()

7

**Reduce**

arr1.reduce((accumulator,item)=> accumulator\*item)

720

arr1.reduce((accumulator,item)=> accumulator+""+item)

"123456"

**reduceRight**

arr1.reduceRight((accumulator,item)=> accumulator+""+item)

"654321"

**Reverse**

arr1.reverse()

(6) [6, 5, 4, 3, 2, 1]

**Shift**

arr1.shift()

6

arr1

(5) [5, 4, 3, 2, 1]

**Slice**

arr1.slice(1,3)

(2) [4, 3]

**Some**

arr1.some((item) => item > 3)

true

arr1.some((item) => item > 5)

false

**Sort**

arr2.sort()

(7) [-2, 10, 12, 12, 34, 4, 6]

**Splice**

arr1.splice(2,1)

[3]

arr1

(4) [5, 4, 2, 1]

**toString**

arr1.toString()

"5,4,2,1"

**Unshift**

arr1.unshift(7)

5

arr1.toString()

"7,5,4,2,1"

**2 Difference between \r\n**

Ans

\n : It define end of the line, specify newline character in ASCII.

\r : It define as carriage return, specify that current line will continue to the next line.

**3 RegExp and array problem**

**Solution**

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**4. Private variables can be made possible with closures**

var add = (function() {

var counter = 0;

console.log("ctr",counter);

return function(){

return counter += 1;

}

})()

console.log(add());

console.log(add());

console.log(add());

output

ctr 0

1

2

3

Remark :

Since outer function if self invoking function, it call and return inner function to the add variable with initialize counter as 0.

so whenever we call add, it actually calling inner function and increase the counter value.