1. Create an array named colors that contains five different names of colors.

var colors = [‘red’,’blue’,’black’,’white’,’pink’];

* Now access the first color in array and print in console.

console.log(colors[0]);

* Now do the same with the third color in the list.

console.log(colors[2]);

* Change the last color of list to “Yellow color”.

colors.pop();

colors.push(‘yellow’);

* Now create another variable and equal colors array with this variable.

var col = [‘red’,blue’,’black’,’white’,’pink’];

* Add another color to end of the list, starting of the list and middle of the list.

End of the list

col.push(‘peach’);

starting of the list

col.unshift(‘green’);

middle of the list

col.insert(col.length/2,’purple’);

when the length of the array is known

col.slice(3,0,’purple’);

* Delete element from an array.

delete col[0]; or col.pop();

col.shift() – deletes last element

col.splice(2,1)

//starting at index position 2, remove one element

* Now print length of the array to console.

console.log(col.length); o/p : 6

* Remove last color from the end of the list and print length of an array.

col.pop();

length of the array

console.log(col.length); o/p : 5

* By using loop iterate each value to console.

for(i = 0; i < col.length; i++){

console.log(col[i]);

}

* Finally print each value with index number.

var col = [‘red,’blue’,’black’,’white’,’pink’];

for(i=0; i < col.length; i++)

console.log(i + ” : ” + col[i]);

o/p

0 : red

1 : blue

2 : black

3 : white

4 : pink

* And try to make your array always pointing the last element in the array

i = col.length-1

2. Given a string reverse each word in the sentence?

function wordsRecerser(string){

var arr = string.split(“”);

var output = [];

for(var i = arr.length; i > 0; i--){

output.push(arr[i]);

}

Return output.join(“”);

}

3. Find two strings anagram or not? if yes print true otherwise print false.

// convert strings to LC for case insensitivity

// split strings into arrays

// sort the arrays (spaces will sort first and be trimmed later)

// join the arrays back into strings

// we're only concerned about the printable characters in the anagram so,

// trim() to remove any spaces and then compare the resulting strings

var str1 = this.word1.toLowerCase().split(“).sort().join(“).trim();

var str2 = this.word2.toLowerCase().split(“).sort().join(“).trim();

if(str1 == str2){

this.isAnagram = true;

}else{

this.isAnagram = false;

}

5. empty an array??

Two ways to empty an array

1st way

var num = [1,2,3,4];

function empty() {

list=[];

}

empty();

2nd way

var num = [1,2,3,4];

function empty(){

list.length = 0;

}

empty();

**6. Check if a given string is a palindrome or not???**

**function palindrome(str){**

**//remove special chars, spaces and make lowercase**

**var removeChar = str.replace(/[^A-Z0-9]/ig,””).toLowerCase();**

**//reverse removeChar for comparision**

**var checkPalindrome = removeChar.split(‘’).reverse().join;**

**//check to see if str is a palindrome**

**return(removeChar === checkPalindrome);**

**}**

**7. How to create an object?**

**var girl = {firstName : ‘Rama’, lastName : ‘rani’, age : 25, color : ‘white’};**

**9. Difference between slice and splice methods??**

**splice() method changes the original array whereas slice() doesn’t change the original array and returns a new one.**

**var array = [1,2,3,4,5];**

**console.log(array.splice(2));**

**This remove 1,2** and the original **array is affected** with resulting in [3,4,5].

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

console.log(array.slice(2));

**This remove 1,2 and the original array is not affected** with resulting in [3,4,5].

**Example**

//splice

var array = [1,2,3,4,5];

console.log(array.splice(2)); //[3,4,5]

//slice

var array2 = [1,2,3,4,5]

console.log(array2.slice(2)); //[3,4,5]

console.log(“----after----“);

console.log(array); //[3,4,5]

console.log(array2); //[1,2,3,4,5]

**10.** Give me a code which has array of 5 items each item contains a detail of the person like name, city and age. Asked me to filter array into new array which contains the items with age greater than 25?

var array = [

{

name : ‘Bhanu’,

city : ‘hyd’,

age : 23

},

{

name : ‘Praneetha’,

city : ‘hackensack’,

age : 25

},

{

name : ‘Ramya’,

city : ‘Teaneck’,

age : 26

},

{

name : ‘yashu’,

city : ‘jersey’,

age : 28

},

{

name : ‘megh’,

city : ‘new york’,

age : 20

},

]

**var olderAge = [];**

**for(let i = 0; i < array.length; i++){**

**if(array[i].age > 25){**

**olderAge.push(array[i]);**

**}**

**}**

**console.log(olderAge);**