1. ANONYMOUS FUNCTION AND IIFE
2. Print odd numbers in an array.

Anonymous :

function(array)

{

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

if(array[i]%2!=0){

console.log(array[i])

}

}

}

IIFE :

(function(array)

{

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

if(array[i]%2!=0){

console.log(array[i])

}

}

})([1,2,3,4])

1. CONVERT ALL THE STRINGS TO TITLE CAPS IN A STRING ARRAY.

Anonymous :

function (str)

{

str = str.toLowerCase().split(' ');

for (var me = 0; me < str.length; me++) {

str[me] = str[me].charAt(0).toUpperCase() + str[me].slice(1);

}

return str.join(' ');

}

IIFE :

(function (str)

{

str = str.toLowerCase().split(' ');

for (var me = 0; me < str.length; me++) {

str[me] = str[me].charAt(0).toUpperCase() + str[me].slice(1);

}

return str.join(' ');

})("BRINDA IS MY NAME");

1. SUM OF ALL NUMBERS IN AN ARRAY.

Anonymous :

function(array)

{

var sum = 0;

for(var me = 0 ; me< array.length ; me++){

sum = sum + array[i];

}

return sum;

}

IIFE :

(function(array)

{

var sum = 0;

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

sum = sum + array[i];

}

return sum;

})([1,2,3,4])

1. RETURN ALL THE PRIME NUMBERS IN AN ARRAY.

Anonymous Function:

function(numArray)

{

numArray = numArray.filter((number) => {

for (var i = 2; i <= Math.sqrt(number); i++) {

if (number % i === 0) return false;

}

return true;

});

console.log(numArray);

}

IIFE :

(

function(numArray){

numArray = numArray.filter((number) => {

for (var i = 2; i <= Math.sqrt(number); i++) {

if (number % me === 0) return false;

}

return true;

});

console.log(numArray);

})([1,2,3,4])

1. RETURN ALL THE PALINDROMES IN AN ARRAY.

Anonymous Function :

function (arr, n)

{

// Traversing each element of the array

// and check if it is palindrome or not

for (let me = 0; me < n; me++)

{

let ans = isPalindrome(arr[i]);

if (ans == false)

return false;

}

return true;

}

IIFE :

( function (arr, n)

{

// Traversing each element of the array

// and check if it is palindrome or not

for (let i = 0; i < n; i++)

{

let ans = isPalindrome(arr[i]);

if (ans == false)

return false;

}

return true;

})([1,2,3] , 3)

1. RETURN MEDIAN OF TWO SORTED ARRAYS OF THE SAME SIZE.

Anonymous:

function(nums1, nums2)

{

let s1= nums1.length

let s2= nums2.length

let index = s1+s2

if(s1==0){

if(s2%2==1){

return nums2[Math.floor(index/2)]

}else{

return (nums2[Math.floor(index/2)-1] + nums2[Math.floor(index/2)])/2

}

}

for(let i=0 ; i<index/2+1;i++){

nums1.push(nums2[i])

}

nums1.sort((a,b)=>a-b)

console.log(nums1)

if(index%2==1){

return nums1[Math.floor(index/2)]

}else{

return (nums1[Math.floor(index/2)-1] + nums1[Math.floor(index/2)])/2

}

};

IIFE:

(function(nums1, nums2) {

let s1= nums1.length

let s2= nums2.length

let index = s1+s2

if(s1==0){

if(s2%2==1){

return nums2[Math.floor(index/2)]

}else{

return (nums2[Math.floor(index/2)-1] + nums2[Math.floor(index/2)])/2

}

}

for(let i=0 ; i<index/2+1;i++){

nums1.push(nums2[i])

}

nums1.sort((a,b)=>a-b)

console.log(nums1)

if(index%2==1){

return nums1[Math.floor(index/2)]

}else{

return (nums1[Math.floor(index/2)-1] + nums1[Math.floor(index/2)])/2

}

});

1. REMOVE DUPLICATES FROM AN ARRAY.

Anonymous Function :

function(array){

let dup = [...new Set(array)];

console.log(dup);

}

IIFE : (function(array){

let dup = [...new Set(array)];

console.log(dup);

})([1,1,2,3,4])

1. ROTATE AN ARRAY BY k TIMES.

Anonymous function :

function(array , k)

{

k = k % a.length;

if(k < 0){

k += a.length;

}

reverse(a, 0, a.length - k - 1);

reverse(a, a.length - k, a.length - 1);

reverse(a, 0, a.length - 1);

}

IIFE :

(function(array , k)

{

k = k % a.length;

if(k < 0){

k += a.length;

}

reverse(a, 0, a.length - k - 1);

reverse(a, a.length - k, a.length - 1);

reverse(a, 0, a.length - 1);

})([1,2,3,4] , 2)

1. DO THE BELOW PROGRAMS IN ARROW FUNCTIONS.
2. Print odd numbers in an array.

Arrow Function:

oddNumbers = (array) => {

for(var me = 0 ; me< array.length ; me++){

if(array[i]%2!=0){

console.log(array[i])

}

}

}

1. CONVERT ALL THE STRINGS TO TITLE CAPS IN A STRING ARRAY.

Arrow Function :

titleCase = (str) => {

str = str.toLowerCase().split(' ');

for (var me = 0; me < str.length; me++) {

str[i] = str[i].charAt(0).toUpperCase() + str[i].slice(1);

}

return str.join(' ');

}

1. SUM OF ALL NUMBERS IN AN ARRAY.

Arrow:

sum = (array)=>{

var sum = 0;

for(var me = 0 ; me< array.length ; me++){

sum = sum + array[me];

}

return sum;

}

1. RETURN ALL THE PRIME NUMBERS IN AN ARRAY.

Arrow Function :

primeNumber = (numArray) => {

numArray = numArray.filter((number) => {

for (var i = 2; i <= Math.sqrt(number); i++) {

if (number % me === 0) return false;

}

return true;

});

console.log(numArray);

}

1. RETURN ALL THE PALINDROMES IN AN ARRAY.

Arrow :

Palindrome = (arr, n) =>

{

// Traversing each element of the array

// and check if it is palindrome or not

for (let i = 0; i < n; i++)

{

let ans = isPalindrome(arr[i]);

if (ans == false)

return false;

}

return true;

}