1 . Print the odd numbers in an array

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| --- |
| anonymous:  function(array){ |
| for(var i = 0 ; i< array.length ; i++){ |
| console.log(array[i]) |
| } |
| } |
| IIFE:  function(array){ |
| for(var i = 0 ; i< array.length ; i++){ |
| if(array[i]%2!=0){ |
| console.log(array[i]) |
| } |
| } |
| Arrow Function:    oddNumbers = (array) => { |
| for(var i = 0 ; i< array.length ; i++){ |
| if(array[i]%2!=0){ |
| console.log(array[i]) |
| } |
| } |
| } |

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| --- | --- |
| 2)Convert all the strings to title caps in a string array | |
|  | |
| anonymous:  function (str) { | |
| str = str.toLowerCase().split(' '); | |
| for (var i = 0; i < str.length; i++) { | |
| str[i] = str[i].charAt(0).toUpperCase() + str[i].slice(1); | |
| } | |
| return str.join(' '); | |
| } | |
| IIFE:  (function (str) { | |
| str = str.toLowerCase().split(' '); | |
| for (var i = 0; i < str.length; i++) { | |
| str[i] = str[i].charAt(0).toUpperCase() + str[i].slice(1); | |
| } | |
| return str.join(' '); | |
| })("MUDRA IS MY NAME"); | |
| Arrow Function:  titleCase = (str) => { | |
| str = str.toLowerCase().split(' '); | |
| for (var i = 0; i < str.length; i++) { | |
| str[i] = str[i].charAt(0).toUpperCase() + str[i].slice(1); | |
| } | |
| return str.join(' '); | |
| } | |
|  | **3)Sum of all numbers in an array** | |
|  | **anonymous:**  function(array){ | |
|  | var sum = 0; | |
|  | for(var i = 0 ; i< array.length ; i++){ | |
|  | 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]) | |
|  | **Arrow:**  sum = (array)=>{ | |
|  | var sum = 0; | |
|  | for(var i = 0 ; i< array.length ; i++){ | |
|  | sum = sum + array[i]; | |
|  | } | |
|  | return sum; | |
|  | **}** | |
|  | **4)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 % i === 0) return false; | |
|  | } | |
|  | return true; | |
|  | }); | |
|  | console.log(numArray); | |
|  | })([1,2,3,4]) | |
|  | **Arrow Function :** | |
|  |  | |
|  | primeNumber = (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); | |
|  | } | |
|  |  | |
|  | **5) Return all the palindromes in an array** | |
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|  |  | |
|  | **Anonymous :**  function (arr, n) | |
|  | { | |
|  | for (let i = 0; i < n; i++) | |
|  | { | |
|  | let ans = isPalindrome(arr[i]); | |
|  | if (ans == false) | |
|  | return false; | |
|  | } | |
|  | return true; | |
|  | } | |
|  |  | |
|  | **IIFE :** | |
|  |  | |
|  | ( function (arr, n) | |
|  | { | |
|  |  | |
|  |  | |
|  | for (let i = 0; i < n; i++) | |
|  | { | |
|  | let ans = isPalindrome(arr[i]); | |
|  | if (ans == false) | |
|  | return false; | |
|  | } | |
|  | return true; | |
|  | })([1,2,3] , 3) | |
|  |  | |
|  | **Arrow :** | |
|  | Palindrome = (arr, n) => | |
|  | { | |
|  |
|  |
|  | for (let i = 0; i < n; i++) | |
|  | { | |
|  | let ans = isPalindrome(arr[i]); | |
|  | if (ans == false) | |
|  | return false; | |
|  | } | |
|  | return true; | |
|  | } | |
|  | **6.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]) | |
|  |  | |
|  |  | |
|  | 7.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) | |