1. Print odd numbers in an array

Answer:

[1,2,3,4].forEach((num) => num % 2 !== 0 && console.log(num));

1. Convert all the strings to title caps in a string array

Answer:

function sentenceCase (str) {

if ((str===null) || (str===''))

return false;

else

str = str.toString();

return str.replace(/\w\S\*/g,

function(txt){return txt.charAt(0).toUpperCase() +

txt.substr(1).toLowerCase();});

}

console.log(sentenceCase('guvi geeks'));

1. Sum of all numbers in an array

Answer:

console.log(

[1, 2, 3, 4, 6, 7, 8, 10].reduce((a, b) => a + b)

);

console.log(

[].reduce((a, b) => a + b)

);

1. Return all the prime numbers in an array

Answer:

const arr = [43, 6, 6, 5, 54, 81, 71, 56, 8, 877, 4, 4];

const isPrime = n => {

if (n===1){

return false;

}else if(n === 2){

return true;

}else{

for(let x = 2; x < n; x++){

if(n % x === 0){

return false;

}

}

return true;

}

};

console.log(isPrime(arr));

1. Return all the palindromes in an array

Answer:

function checkPalindrome(word) {

var l = word.length;

for (var i = 0; i < l / 2; i++) {

if (word.charAt(i) !== word.charAt(l - 1 - i)) {

return false;

}

}

return true;

}

if (checkPalindrome("1122332211")) {

console.log("The word is a palindrome");

} else {

console.log("The word is NOT a palindrome");

}

1. Return median of two sorted arrays of same size

Answer:

function getMedian(intnum1[],intnum2[],int size) {

i = 0;

j = 0;

m1 = -1, m2 = -1;

for (count = 0 to size) {

if (i == size) {

m1 = m2;

m2 = num2[0];

}

else if (j == size) {

m1 = m2;

m2 = num1[0];

}

if (num1[i] < num2[j]) {

m1 = m2;

m2 = num1[i];

i = i + 1;

} else {

m1 = m2;

m2 = num2[j];

j = j + 1;

}

}

return (m1 + m2)/2

}

1. Remove duplicates from an array

Answer:

function removeDuplicates(array) {

const result = [];

const map = {};

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

if (map[array[i]]) {

continue;

} else {

result.push(array[i]);

map[array[i]] = true;

}

}

return result;

}

console.log(removeDuplicates([1,2,3,5,3,3,3]));

1. Rotate an array by k time

Answer:

function rotate(nums, k) {

for (let i = 0; i < k; i++) {

nums.unshift(nums.pop());

}

return nums;

}

console.log(rotate(12,3));

Do the below programs in arrow functions

1. Print odd numbers in an array

Answer:

let arr = [1,2,3,4,5,6,7,8,9,10,11,12];

let odds = arr.filter(n => n%2);

console.log(odds);

1. Convert all the strings to title caps in a string array

Answer:

function titleCase(str) {

return str

.split(' ')

.map((word) => word[0].toUpperCase() + word.slice(1).toLowerCase())

.join(' ');

}

console.log(titleCase("I'm a little tea pot"));

1. Sum of all numbers in an array

Answer:

[1, 2, 3, 4].reduce((a, b) => a + b, 0);

1. Return all the prime numbers in an array

Answer:

const newArray = [1, 3, 2, 5, 10];

const isPrime = num => {

for (let i = 2; i < num; i++) {

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

}

return num !== 1;

};

const myPrimeArray = newArray.filter(element => isPrime(element));

console.log(myPrimeArray);

1. Return all the palindromes in an array

Answer:

let palindromeArray = (arr) => {

//initialize to true

let isPalindrome = true;

//loop through half length of the array

for(let i = 0; i < arr.length / 2; i++) {

//check if first half is equal to the second half

if(arr[i] !== arr[arr.length - i - 1]){

isPalindrome = false;

break;

}

}

return isPalindrome;

}