Print odd numbers in an array

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

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

console.log(odds)

Convert all the strings to title caps in a string array

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();});

}

document.write(sentenceCase('Happy day’));

Sum of all numbers in an array

console.log(

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

)

console.log(

[].reduce((a, b) => a + b, 0)

)

Return all the prime numbers in an array

var numArray = [2, 3, 4, 5, 6, 7, 8, 9, 10]

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

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

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

}

return true;

});

console.log(numArray);

Return all the palindromes in an array

unction checkPalindrom(str)

return str == str.split('').reverse().join('');

}

const result = words.filter(word => checkPalindrom(word));

Return median of two sorted arrays of same size

function getMedian(ar1, ar2, n)

{

var i = 0; /\* Current index of i/p array ar1[] \*/

var j = 0; /\* Current index of i/p array ar2[] \*/

var count;

var m1 = -1, m2 = -1;

for (count = 0; count <= n; count++)

{

if (i == n)

{

m1 = m2;

m2 = ar2[0];

break;

}

else if (j == n)

{

m1 = m2;

m2 = ar1[0];

break;

}

if (ar1[i] <= ar2[j])

{

m1 = m2; /\* Store the prev median \*/

m2 = ar1[i];

i++;

}

else

{

m1 = m2; /\* Store the prev median \*/

m2 = ar2[j];

j++;

}

}

return (m1 + m2)/2;

}

var ar1 = [1, 12, 15, 26, 38];

var ar2 = [2, 13, 17, 30, 45];

var n1 = ar1.length;

var n2 = ar2.length;

if (n1 == n2)

document.write("Median is "+ getMedian(ar1, ar2, n1));

else

document.write("Doesn't work for arrays of unequal size");

Remove duplicates from an array

var names = ["Mike","Matt","Nancy","Adam","Jenny","Nancy","Carl"];

var uniqueNames = [];

$.each(names, function(i, el){

if($.inArray(el, uniqueNames) === -1) uniqueNames.push(el);

});

Rotate an array by k times

Array.prototype.rotate = (function() {

var push = Array.prototype.push,

splice = Array.prototype.splice;

return function(count) {

var len = this.length >>> 0, // convert to uint

count = count >> 0; // convert to int

count = ((count % len) + len) % len;

push.apply(this, splice.call(this, 0, count));

return this;

};

})();

Do the below programs in arrow functions

Print odd numbers in an array

var my\_function = some\_array => some\_array.map(

(currentValue, index) => currentValue + (currentValue % 2 ? -1 : 1)

);

Sum of all numbers in an array

console.log(

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

)

console.log(

[].reduce((a, b) => a + b, 0)

)

Return all the prime numbers in an array

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);