1. Print Odd numbers in 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);

2. Convert all string to caps

var str = "Hello World!";

var res = str.toUpperCase();

console.log(res);

3. Sum of all elements in an array

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

const reducer = (accumulator, currentValue) => accumulator + currentValue;

console.log(arr.reduce(reducer));

4. Return prime number

prime = (n) =>{

if (n===1) {

return false;

}else if(n === 2){

return n;

}else{

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

if(n % x === 0){

return false;

}

}

return n;

}

}

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

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

console.log(prime(arr[i]));

5.palindrome in an array

let palindromeArray = (arr) => {

let isPalindrome = true;

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

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

isPalindrome = false;

break;

}

}

return isPalindrome;

}

console.log(palindromeArray([1,2,2,1]));

6.Median of 2 sorted array of equal size

getMedian = (ar1, ar2, n) =>

{

var i = 0;

var j = 0;

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;

m2 = ar1[i];

i++;

}

else

{

m1 = m2;

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)

console.log( getMedian(ar1, ar2, n1));

7.Remove Duplicates from array

let chars = ['A', 'B', 'A', 'C', 'B'];

let uniqueChars = [...new Set(chars)];

console.log(uniqueChars);