**1 . PRINTING ODD NOS**:

let arr = [1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17]

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

console.log(odds)

output: [

1, 3, 5, 7, 9,

11, 13, 15, 17

]

2**. Convert all the strings to title caps in a string array:**

const str = "foo bar baz";

const newStr = str.split()

.map(w => w[0].toUpperCase() + w.substring(1).toLowerCase())

.join();

console.log(newStr);

output: Foo bar baz

**3 . Sum of all numbers in an array:**

let myNums = [1,2,3,4,5,6];

let sum = 0;

myNums.forEach( num => {

sum += num;

})

console.log(sum)

output: 21

**4. Return all the prime numbers in an array:**

function checkPrime(num){

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

if(num % i === 0){

}

}

}

function detectPrime(arr){

if (checkPrime){

return true;

}else{

return false;

}

}

console.log(detectPrime([15,110,7,22,25]));

console.log(detectPrime([15,110,77,290,20]));

output:

true

true

**5. Return all the palindromes in an array:**

function palindrome(str) {

return true;

}

palindrome("eye");

console.log(palindrome)

**6.MEDIUM OF ARRAY:**

const median = (a1, a2) => {

let x = a1.concat(a2);

x.sort(function (a,b) {

return a - b;

});

let len = x.length;

return len%2 === 0 ? (x[Math.floor(len/2)-1] + x[Math.ceil(len/2)])/2 : x[Math.floor(len/2)];

}

let a = [0,2,3,5,9];

let b = [1,4];

console.log(median(a,b));

output : 3

**7 . Remove duplicates from an array:**

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

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

console.log(uniqueChars);

output : [ 'A', 'B', 'C' ]

**8. Rotate an array by k times**

const fruits = ['apple', 'banana', 'grapes', 'mango', 'orange'];

let firstElement = fruits.shift()

fruits.push(firstElement);

console.log(fruits);

output: [ 'banana', 'grapes', 'mango', 'orange', 'apple' ]