**1.Print odd numbers in an array --done.**

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

**3.Sum of all numbers in an array --done.**

**4.Return all the prime numbers in an array -done.**

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

**6.Return median of two sorted arrays of the same size.**

**7.Remove duplicates from an array -done.**

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

**1.odd or even using function**

const Arr= [4,5,6,7,8];

let oddNumber = [];

let evenNumber = [];

function findoddNUmber(Arr){

for(let i =0;i<Arr.length-1;i++){

if((Arr[i]%2)!=0){

oddNumber.push(i);

}

}

console.log(oddNumber);

}

function findevenNumber(){

for(let i =0;i<Arr.length-1;i++){

if((Arr[i]%2)==0){

evenNumber.push(i);

}

}

console.log(evenNumber);

}

findoddNUmber(Arr);

findevenNumber(Arr);

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

var str = 'Hi this is karthik';

str = str.split(" ");

function titleCase(str){

for(let i=0;i<=str.length-1;i++){

str[i] = str[i].charAt(0).toUpperCase() + str[i].slice(1);

}

console.log(str);

}

titleCase(str);

**3.sum of array using funciton**

let Arr = [1,2,3,4,5];

let total = 0;

function sumOfArray(Arr){

for(let i =0;i<=Arr.length-1;i++){

total += Arr[i];

}

console.log(total);

}

sumOfArray(Arr);

**4.return all the prime number in the array**

const Arr = [1,2,3,4,5,6,7,8,9,10];

let prime = [];

function findPrime(arr){

let identifier = arr/2;

for(let j =2;j<=identifier;j++){

if((arr%j) == 0){

return true;

}

return false;

}

}

for(let i=0;i<=Arr.length-1;i++){

if(Arr[i] >=2 && findPrime(Arr[i])){

prime.push(i);

}

}

console.log(prime);

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

function isPalindrome(s)

{

let a = s;

s = s.split('').reverse().join('');

return s == a;

}

function findPalindrom(arr,N)

{

let ans = [];

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

if (isPalindrome(arr[i])) {

ans.push(arr[i]);

}

}

return ans;

}

let arr =['bob','121'];

let N= arr.length;

console.log(findPalindrom(arr,N));

**7.Remove duplicates from an array**

let Arr = [1,2,2,2,3,4,4,4];

let tempArr = [1,2,2,2,3,4,4];

let temp = Arr[0];

let count = 0;

for(let i=0;i<=Arr.length-1;i++){

for(let j=0;j<Arr.length-1;j++){

if(temp == Arr[j]){

count++;

}

}

if(count == 2){

tempArr.splice(i,1);

count = count-1;

}

}

console.log(tempArr);

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

function reverse(arr, start, end) {

while (start < end) {

[arr[start], arr[end]] = [arr[end], arr[start]];

start++;

end--;

}

}

let start = 0;

let end = 1;

let arr = ['karthik', '23','trichy'];

reverse(arr,start,end);

console.log(arr);