find odd number

var arr=[2,3,4,5,6]

var array=function(arr){

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

if(arr[i]%2!==0)

console.log(arr[i])

}

}

array(arr)

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

var titleCase="guvi is a great platform"

var result=function(string) {

var sentence = string.toLowerCase().split(' ');

for(var i = 0; i< sentence.length; i++){

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

}

console.log(sentence.join(" "));

return sentence;

}

result(titleCase);

Add array of number

var arr=[2,3,4,5,6]

var add=function(a){

var sum=0;

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

sum=sum+arr[i]

}

console.log(sum)

}

add(arr);

1. Return all the prime numbers in an array

var array = [1,2,3,4,5,6,7,8,9,10];

var i=function(num) {

for (let start = 2; num > start; start++) {

if (num % start == 0) {

return false;

}

}

return num > 1;

}

console.log(array.filter(i))

1. Return all the palindromes in an array

const sample=["madam","name","abba","racecar","101"];

const palan=function (value){

const n=value.length;

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

if(value[i]!== value[n - 1 - i]) return false;

}

return true;

};

const result=[];

for(var j=0; j<sample.length; j++){

if(palan(sample[j]))

result.push(sample[j]);

}

console.log(result)

palan(sample);

Return median of two sorted arrays of same size

var getMedian=function (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("Median is "+ getMedian(ar1, ar2, n1));

else

console.log("Doesn't work for arrays of unequal size"

Remove duplicates from an array

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

var uniq = names.reduce(function(a,b){

if (a.indexOf(b) < 0 ) a.push(b);

return a;

},[]);

console.log(uniq)

return names.reduce(function(a,b){if(a.indexOf(b)<0)a.push(b);return a;},[]);

Rotate an array by k times

var RightRotate=function(a, n, k)

{

k = k % n;

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

if (i < k) {

console.log(a[n + i - k] + " ");

}

else {

console.log((a[i - k]) + " ");

}

}

}

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

let N = Array.length;

let K = 2;

RightRotate(Array, N, K);

ARROW FUNCTIONS

Print odd numbers in an array

var arr=[2,3,4,5,6]

var array=(arr)=>{

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

if(arr[i]%2!==0)

console.log(arr[i])

}

}

array(arr)

Convert all the strings to title caps in a string array

var titleCase="guvi is a great platform"

var result=(string)=> {

var sentence = string.toLowerCase().split(' ');

for(var i = 0; i< sentence.length; i++){

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

}

console.log(sentence.join(" "));

return sentence;

}

result(titleCase);

Sum of all numbers in an array

var arr=[2,3,4,5,6]

var add=(a)=>{

var sum=0;

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

sum=sum+arr[i]

}

console.log(sum)

}

add(arr);

Return all the prime numbers in an array

var array = [1,2,3,4,5,6,7,8,9,10];

var i=(num)=> {

for (let start = 2; num > start; start++) {

if (num % start == 0) {

return false;

}

}

return num > 1;

}

console.log(array.filter(i))

Return all the palindromes in an array

const sample=["madam","name","abba","racecar","101"];

const palan=(value)=>{

const n=value.length;

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

if(value[i]!== value[n - 1 - i]) return false;

}

return true;

};

const result=[];

for(var j=0; j<sample.length; j++){

if(palan(sample[j]))

result.push(sample[j]);

}

console.log(result)

palan(sample);