**Anonymous Function**1.Print the odd numbers in an array

| var arr = [1,2,3,4]; var odd\_num=[];  //anonymous function var odd=function(arr){  for(let i=0;i<arr.length;i++)  {  if(arr[i]%2!==0)  odd\_num.push(arr[i]);  }  return odd\_num; }  console.log(odd(arr)); |
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2.Convert all the strings to title caps in a string array

| var str= "i am trying to change the sentence to title caps"  var caps=function(str){  str = str.toLowerCase().split(" ");  for(let i=0;i<str.length;i++)  {  str[i] = str[i].charAt(0).toUpperCase() + str[i].slice(1);  }  return str.join(" ");   }  console.log(caps(str)); |
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3.Sum of all numbers in an array

| var arr= [1,2,3]; var sum = arr.reduce((a,b)=>(a+b),0) console.log(sum); |
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4.Return all the prime numbers in an array

| var arr = [1,2,3,4,5,6,7,8,9];  var temp=[];  var palind = function(arr){  let len = arr.length;  for(let i=0;i<len;i++)  {  let t = arr[i];  let flag= true;  console.log(t);  if(t<=1)  flag = false;  for(let j=2;j<t;j++)  {  if(t % j ===0)  flag = false;  }    if(flag)  temp.push(arr[i]);    }  return temp;  }  console.log(palind(arr)); |
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5.Return all the palindromes in an array

| var arr = ["Anna","Civic","Kayak","hello","js"];  let temp=[];  var palind = function(arr){  for (let i=0;i<arr.length;i++)  {  let str = arr[i].toLowerCase();  let rev\_str = str.split("").reverse().join("");  if (str== rev\_str)  {  temp.push(arr[i]);  }    }  return temp;  }  console.log(palind(arr)); |
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6.Return median of two sorted arrays of same size

| var ar1 = [1, 12, 15, 26, 38]; var ar2 = [2, 13, 17, 30, 45];  var median= function(arr1,arr2) {  let temp=[];  temp.push(...arr1, ...arr2);  temp = temp.sort(function(a,b){return a - b});  let len = temp.length;  if(len % 2 ===0)  {  let index =len/2 ;  *//since array index start from 0*   return((temp[index-1]+temp[index])/2)   }  else  console.log("Array not equal size") }  console.log(median(ar1,ar2)); |
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7.Remove duplicates from an array

| var arr = [1, 12, 15,12, 15, 26, 38]; var dup = function(arr){  return[...new Set(arr)] }  console.log(dup(arr)); |
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8.Rotate an array by k times and return the rotated array

| var arr = [1, 12,15,12,15,26,38]; var n = arr.length; var k = 5; *//no of times to rotate*  var rotate =function(arr,k){  let t1= arr.slice(0,k);  let t2 =arr.slice(k,n);  t2.push(...t1);  return t2; }  console.log(rotate(arr,k)); |
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