

← Go back

Front-endy algorithms study plan

Improve your coding skills by solving these algorithm-focused challenges. Each of the challenges will test your data manipulation skills in a context that may appear in the modern web app.

31 challenges

Remove all whitespaces

Write a function that removes all whitespace from the input string.

BEGINNER

#JavaScript #string #algorithm

Remove falsy values

Write a function that removes falsy values from the input array

BEGINNER

#JavaScript #algorithm #array

Remove vowels

Write a function that takes a string and returns a new string with all of the vowels removed.

BEGINNER

#JavaScript #algorithm #string

Reverse an array

Implement a function that reverses the order of the elements in the array and returns the reversed array.

BEGINNER

#JavaScript #algorithm #array

Find the largest number in array

Write a function that can find the largest number in the array

BEGINNER

#JavaScript #algorithm #array

Sum even numbers

Write a function that takes in an array of numbers and returns the sum of all even ones

BEGINNER

#JavaScript #algorithm #array

Sum every third number

Write a function that takes in an array of numbers and returns the sum of every third number

BEGINNER

#JavaScript #algorithm #array

Reverse a string

You will be implementing a function that takes in a string as an argument and returns a new string that is the reverse of the input string.

BEGINNER

#JavaScript #algorithm #string

Count vowels

Write a function that has to count all the vowels in the input string

BEGINNER

#JavaScript #algorithm #string

Join two arrays

Use your data manipulation skills to join two arrays together

BEGINNER

#JavaScript #algorithm #util

Fibonacci sequence array

Write a function that returns an array containing the first n numbers in the Fibonacci sequence.

INTERMEDIATE

#JavaScript #array #algorithm

First non-repeating character

Write a function that takes a string and returns the first non-repeating character.

INTERMEDIATE

#JavaScript #string #algorithm

Longest string in the array

Write a function that finds the longest string in the array.

INTERMEDIATE

#JavaScript #array #algorithm

Sum numbers from a string

Write a function that takes a string of comma-separated numbers and returns their sum.

INTERMEDIATE

#JavaScript #algorithm #array

Max character

Write a function that takes a string and returns the character that appears the most frequently in the string.

INTERMEDIATE

#JavaScript #algorithm #string

Palindrome checker

In this coding challenge, you will be implementing a function, which takes a string as input and determines whether the string is a palindrome or not.

INTERMEDIATE

#JavaScript #algorithm #string

Sorted Index

Write a function that returns the index where the number should be inserted to preserve the current order

INTERMEDIATE

#JavaScript #algorithm #array

First character

Write a function that has to find the first non-repeating character in the string.

INTERMEDIATE

#JavaScript #algorithm #string

Remove values

Write a function that removes some values from an array.

INTERMEDIATE

#JavaScript #array #algorithm

Fibonacci sequence n-th number

Write a function that returns n-th number in the Fibonacci sequence.

INTERMEDIATE

#JavaScript #algorithm

Get strings starting with a vowel

Write a function that takes an array as the input and returns a new array with strings that only start with vowels.

INTERMEDIATE

#JavaScript #array #algorithm

Palindrome number

In this coding challenge, you will be implementing a function, which takes a number as input and determines whether it is a palindrome or not.

INTERMEDIATE

#JavaScript #algorithm

Anagram checker

Write a function that takes two strings and returns true if they are anagrams (i.e. contain the same letters in a different order) and false otherwise.

INTERMEDIATE

#JavaScript #string #algorithm

Rotate an array

Rotate an array to the left given the input parameter

INTERMEDIATE

#JavaScript #algorithm #array

Longest word in a sentence

Write a function that finds the longest word in a sentence and returns it.

INTERMEDIATE

#JavaScript #algorithm #string

Frequency counter

Write a frequency counter.

INTERMEDIATE

#JavaScript #algorithm #object

Remove duplicates from a string

Process a string to return only the unique values

INTERMEDIATE

#JavaScript #algorithm #string

Most common

Write a function that takes in an array of strings and returns the one that appears the most amount of time

INTERMEDIATE

#JavaScript #algorithm #array

Flatten an array of nested arrays

Write a function that takes in an array of nested arrays and flattens it 🧐

INTERMEDIATE

#JavaScript #algorithm #array

Invert an object

Write a function that takes an object and returns a new object where the keys and values are swapped.

INTERMEDIATE

#JavaScript #algorithm #object

Stringify

Write a function stringify which turns any input into a string

EXPERT

#JavaScript #algorithm #string