

Here are 10 JavaScript problems that cover arrays, string dates, and numbers.

Problem 1: Find Maximum Number

Write a function that takes an array of numbers as input and returns the maximum value from the array.

Problem 2: Calculate Sum of Array

Write a function that calculates and returns the sum of all numbers in an array.

Problem 3: Format Dates

Write a function that takes a string date in the format "YYYY-MM-DD" and converts it to the format "DD/MM/YYYY".

Problem 4: Calculate Average Age

Given an array of birthdates in the format "YYYY-MM-DD", write a function to calculate and return the average age of the people in the array.

Problem 5: Remove Duplicates

Write a function that takes an array of numbers as input and returns a new array with duplicate values removed.

Problem 6: Find Date Difference

Write a function that takes two string dates in the format "YYYY-MM-DD" and calculates the number of days between them.

Problem 7: Even and Odd Arrays

Given an array of numbers, write a function that returns an array containing two sub-arrays: one with even numbers and one with odd numbers.

Problem 8: Prime Numbers

Write a function that takes a number as input and determines whether it is a prime number.

Problem 9: String Palindrome

Write a function that checks if a given string is a palindrome (reads the same forwards and backwards).

For example, "radar," "level," "madam," and "12321" are all examples of palindromes.

Problem 10: Array Intersection

Write a function that takes two arrays as input and returns a new array containing elements that are common in both input arrays.