

Rules - do not use inbuilt methods

Problem 1 - Given an array of numbers, change each element to its cube

Example: [1,2,3] -> [1,8,27]

Problem 2 - Find the largest and second largest element in an array

Example: [4,7,1,4,9] -> 9,7

Problem 3 - Given a number n, print reverse of n

Example: 1234 -> 4321

Problem 4 - Given a string s, print if it's a pallindrome or not

Example: "ababa" is a pallindrome

Problem 5 - Give two strings, check if they are anagrams

Example: "may", "amy" -> Yes, they are anagrams

Problem 6 - Find the factorial of a given number

Example: $5 = 5 * 4 * 3 * 2 * 1 = 120$

Problem 7 - Sort a given array of numbers

Example: [4,3,1,9] -> [1,3,4,9] Hint: Use Recursion

Problem 8 - Find most occurring character in a string

Example: "aabbcdafa" -> a

Problem 9 - Remove duplicates from an array

Example: [1,2,1,2,3] -> [1,2,3] , ["a","a","b","cb"] -> ["a", "b", "cb"]

Problem 10 - Reverse a sentence

Example: "quick brown fox" -> "fox brown quick"

Problem 11 - Check if the given string has a number

Example: "abc1_ef" -> Yes, the string has a number

Problem 12 - Given two sorted arrays of numbers, join them, the resulting array should be sorted

Example: [1,4,9] & [2,3,12] -> [1,2,3,4,9,12]