Assignment Questions for Batch 2

Topic: Arrays, Strings, Matrices

Submission Day: Sun, 22nd Sep, 2019

To be Submitted in: Github

1. Write a program to find the frequency of characters in a given string.
   Eg: aabcdacddb
   Output: a - 3
             b - 2
             c - 2
             d - 3

   Expected no of days for solving this question: 1
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2. Write a program to check if two strings are anagrams. Two strings are said to be anagrams when the frequency count of characters in both the strings is the same.

   Eg : aaabbbccc and abcabcabc are anagarams as the frequency count of every character in string1 is equal to that in string2.

   Expected no of days for solving this question: 1
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3. Write a program to reverse all the consonants in a given string. The vowels position must not be disturbed.

   Eg: suntekcorp
   Output: purcektons

   Expected no of days for solving this question: 2

Topic: Bit Manipulation, Math, Linked List

1. Write a program to find the gcd of two integers. Write both iterative and recursive.

   Expected no of days for solving this question : 1

Topic: Linked List

1. Write a program to find the nth Node in a linked list from the end. Also try to solve by traversing the list from start to end only once.

   Expected no of days for solving this question: 2