CDAC-Mumbai

Coding Challenge

1. Write a Java program to find the second most frequent character in a given string.
   a. Example : "Classrooms" o is the second most frequent character .

2. How Convert lower to upper case without using toUppercase() in java?

3. Given an array of integers, return indices of the two numbers such that they add up to a specific target. You may assume that each input would have exactly one solution, and you may not use the same element twice.

   Example:
   Given nums = [2, 7, 11, 15], target = 9,

   Because nums[0] + nums[1] = 2 + 7 = 9,
   return [0, 1]

4. **Letter Combinations**

   Given a string containing digits from 2-9 inclusive, return all possible letter combinations that the number could represent. Return the answer in **any order**.

   A mapping of digits to letters (just like on the telephone buttons) is given below. Note that 1 does not map to any letters.

Example 1:

Input: digits = "23"
Output: ["ad","ae","af","bd","be","bf","cd","ce","cf"]

Example 2:

Input: digits = ""
Output: []

Example 3:

Input: digits = "2"
Output: ["a","b","c"]

5. Find the smallest non repeating element is the first array

   arr1[]={10,-4,2,0,2,3,7}
   arr2[]={7,3,-4,0,3,2}

   Output:- 10

   arr1[]={-2,5,1,-10,5}
   arr2[]={-2,-10}

   Output:- 1

   Conditions :
   1.)   You can use two for loop not more than that
   2.)   You can't create any temp arr[]
   3.)   You can't use any library functions