1. Given two arrays A, B of size N each storing the digits of a positive integer,

    (a) write a program to add the two integers and store the result in an array C of appropriate size.

    (b) write a program to multiply two integers and store the result in an array C of appropriate size.

2. Consider an array of size N containing numbers 1, 2 and 3 (with repetitions). The count of some of the number types can also be zero in the array. Arrange the array such that all numbers of the same type are together. For eg: if the input array is [1, 3, 1, 1, 2, 3, 2], then the output array can be [1,1,1,2,2,3,3].

3. Fill up an array of size N in increasing order with first N of all numbers divisible by no primes other than 2, 3 and 5.