Practice Week 9

Competition Time: 6th Jan to 10th Jan

Q1. You are provided with an array of numbers and the task is to find triplets in the array which adds up to a given value. If there is such a triplet present in array, then print the triplet.

Example-1:

Input: array = {12, 3, 4, 1, 6, 9}, sum = 24;

Output: 12, 3, 9

Explanation: There is a triplet (12, 3 and 9) present

in the array whose sum is 24.

Example-2:

Input: array = {1, 2, 3, 4, 5}, sum = 9

Output: 5, 3, 1

Explanation: There is a triplet (5, 3 and 1) present

in the array whose sum is 9.

Q2. Write an efficient program that takes two strings as arguments and removes the characters from the first string, which are present in the second string.

Example-1:

Input:

First String: "India is great"

Second String: "in"

Output: "da s great"

Example-2:

Input:

First String: "You do your work"

Second String: "you"

Output: "d r wrk"

Q3) Write an efficient program that takes integer as input and convert a given integer into an equivalent Roman numeral. (Check it in integer range 0 to 1000.)

Example-1:

Input: 5

Output: "V"

Example-2:

Input: 15

Output: "XV"

Example-3:

Input: 153

Output: "CLIII"

Q4. write a program where each column represents same number according to given example:

Example-1:

Input: 5

Output:

   1

  212

32123

  212

   1

Example-2:

Input: 7

Output:

   1

  212

 32123

4321234

 32123

  212

   1

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