National Institute of Technology Calicut
Department of Computer Science and Engineering
Third Semester B. Tech.(CSE)
CS2092D Programming Laboratory
Assignment #2 Modification (18-08-2023)

Naming Conventions for Submission

- The source codes must be named as

ASSG<NUMBER>_<ROLLNO>_<FIRST-NAME>_MOD.c

(For example: *ASSG2_BxxyyyyCS_LAXMAN_MOD.c*).

Standard of Conduct

- Violation of academic integrity will be severely penalized. Each student is expected to adhere to high standards of ethical conduct, especially those related to cheating and plagiarism. Any submitted work MUST BE an individual effort. Any academic dishonesty will result in zero marks in the corresponding exam or evaluation and will be reported to the department council for record keeping and for permission to assign F grade in the course. The department policy on academic integrity can be found at: http://cse.nitc.ac.in/sites/default/files/Academic-Integrity_new.pdf.

General Instructions

- Programs should be written in C language.
- Check your programs with sufficiently large values of inputs with in the range as specified in the question.
- Global and/or static variables should not be used in your program.

QUESTION

1. You are given two arrays of student roll numbers. The first array contains the list of students whose enrollment is successfully completed in eduserver. The list of enrolled students is in the sorted order of their roll numbers. The second array contains the list of few students who are newly joined in the class. Among the newly admitted students some of the student's enrolment process is completed, and some student's enrolment process is pending. Using c programming, make a list of newly admitted students whose enrollment is **yet to be completed** successfully. Make use of the advantage of the **sorted array** of enrolled student lists in your program.

   Input Format:

   - The first line is a positive integer $n \in [0, 250]$, which represents the total number of students enrolled successfully.
   - The second line contains roll numbers of the enrolled students in sorted order separated by space. The roll numbers are in alpha numeric format. (for example: CS001)
   - The third line contains the number of newly admitted students
   - The fourth line contains the roll numbers of the newly admitted students.

   Output Format:

   - List of student roll numbers whose enrolment status is not successful.
     Note: The order of the roll numbers in the output list should be in the same order as it is given in the second input array.

Sample Input 1:
10
CS001 CS005 CS010 CS012 CS013 CS014 CS016 CS018 CS020 CS025
6
CS013 CS005 CS006 CS007 CS002 CS025

Sample Output 1:
CS006 CS007 CS002

Sample Input 2:
8
EC100 EC110 EC112 EC200 EC230 EC231 EC233 EC234
4
EC200 EC201 EC230 EC115

Sample Output 2:
EC201 EC115