

# Longest Common Increasing Sequence

Deadline: 02/03/2022(11:59PM)

Lab 04

Course Title: **Algorithm Design**

Course No: **CS 222**

In this assignment, you have to write a program that reads two array of integers as input and computes the *Longest Increasing Sequence* that is present in both the arrays in  $\mathcal{O}(n^2 \log n)$  time (you may assume  $n$  to be the length of the longest array). You may assume elements in an array to be distinct. You program can read the size of both the arrays as input, further, read both the arrays and just print the output.

\*\*\*\*\*END\*\*\*\*\*