**Data Structures and Algorithms - Mini CA**

1. Refer to this YouTube video - <https://www.youtube.com/watch?v=kVgy1GSDHG8>
2. The interviewer gave the following technical question - “Given an array of integers and an integer target, return the indices of the two numbers such that they add up to the target”.
3. The interviewee’s first and final algorithms run in O(n^2) and O(n) time respectively.
4. Listen carefully to the description of his **final algorithm**. Then implement a C# program for only his final algorithm.
5. Test that your program works.
6. Work in your assigned team and **only submit one version** of your project via Canvas. The submission is a **zip** **file** with **teamX.zip** as its filename format, where **X** is your **team number**. For example, if you are team 1, then your submission file is team1.zip.
7. The CA contributes to 5% of your Paper 2 exam.
8. Refer to the submission date on Canvas.