

<Week 1, Session> Date: 04/09/2023

## **Questions to try for Discussion Session**

- → Merge two Sorted arrays without using extra space.
  - https://practice.geeksforgeeks.org/problems/merge-two-sorted -arrays-1587115620/1
- → Minimum Number of jumps to reach the end of the array.
  - https://leetcode.com/problems/jump-game-ii/
  - https://practice.geeksforgeeks.org/problems/minimum-number
     -of-jumps-1587115620/1
- → Also, try the questions done in the Coding session with Vector Data Structures instead of arrays (Even in your local IDEs).
  - ◆ <u>Sum of Array Elements</u>
  - ◆ Max Min
  - ◆ Reverse the Array

## Questions to try for self-practice

- → Left Rotate an array by one place
- → Linear Search
- → Remove duplicates from the Sorted array
- → Merge Intervals
- → <u>Trapping Rainwater problem</u>

## Alternatively, you can follow the links below

A2Z Striver's DSA sheet [Look for Array Questions]

https://takeuforward.org/strivers-a2z-dsa-course/strivers-a2z-dsa-course-s heet-2/

#### Preferred Playlist to follow:

https://youtube.com/playlist?list=PLgUwDviBIf0oF6QL8m22w1hIDC1vJ\_B Hz&si=uT38ZbtmJYoxHfwH

### **Important Announcements**

- → Everyone is requested to be on time for the Coding sessions, i.e. at 6 PM every Monday (Coding Session) and Thursday (Discussion).
- → Due to the festival of Janmashtami, the Discussion session for this Thursday is rescheduled for Friday, i.e., September 8, 2023.

Thanks and Regards, Team CodeClub!



# Lecture - 01

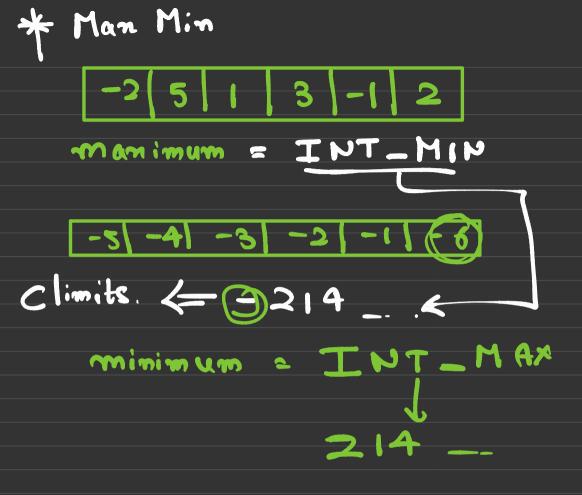
Agrays. > Data Structure int ara [] —) float ass [] corn [6] for (o - n)?

Cout ex oss [i] ex end!;

3. Cin >> oss[i];

Dynamically Size
allocate
Operations int cos [] vector < int > temp (6,0) 000 vect; Vector <int > Vect. Push \_back (5 5 (10) <del>(</del>

Pop-back() Vect.



ON

