

DAILY ONLINE ACTIVITIES SUMMARY

Date:	01-06-2020	Name:	D Jasmine Joyline
Sem & Sec	VI Sem A	USN:	4AL17CS024
Online Test Summary			
Subject	CNSC		
Max. Marks	60	Score	32
Certification Course Summary			
Course	Career Edge: Knockdown the Lockdown		
Certificate Provider	TCS	Duration	15dys
Coding Challenges			
Problem Statement: Given an array of positive integers. Write a C Program to find the leaders in the array.			
Status: Completed			
Uploaded the report in Github		Yes	
If yes Repository name		https://github.com/alvas-education-foundation/D_Jasmine_Joyline/tree/master/daily_progress	
Uploaded the report in slack		Yes	

Online Test Details:

CNSC IA TEST

9:51 175 KB/S LTE

59

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Test Completed!

You have successfully participated in CNSC I.A 2.

Rate this Test

Your Rating: ★★★★★ ◀ Click to Rate

Results

Analytics

✓ MCQ

Your Score

32 / 60



Certification Course Details:

This is to certify that
D Jasmine Joyline
has successfully completed
Career Edge - Knockdown the Lockdown
online course offered by TCS iON

Start Date: 27 Apr 2020 | **End Date:** 01 Jun 2020

Topics:

- Communication Skills ■ Presentation Skills ■ Soft Skills ■ Career Guidance Framework ■ Resume Writing
- Group Discussion Skills ■ Interview Skills ■ Business Etiquette ■ Effective Email Writing ■ Telephone Etiquette
- Accounting Fundamentals ■ IT Foundational Skills ■ Overview of Artificial Intelligence* (Source: NPTEL)



Mehul Mehta

Mehul Mehta
Global Delivery Head, TCS iON

Modules covered:

- IT Foundational Skills
- Accounting Fundamentals
- Artificial intelligence

Coding Challenges Details:

Given an array of positive integers. Write a C Program to find the leaders in the array.

Note: An element of array is leader if it is greater than or equal to all the elements to its right side. Also, the rightmost element is always a leader.

Input:

The first line of input contains an integer T denoting the number of test cases. The description of T test cases follows.

The first line of each test case contains a single integer N denoting the size of array.

The second line contains N space-separated integers A1, A2, ..., AN denoting the elements of the array.

Output:

Print all the leaders.

Constraints:

$1 \leq T \leq 100$

$1 \leq N \leq 107$

$0 \leq A_i \leq 107$

Example:

Input:

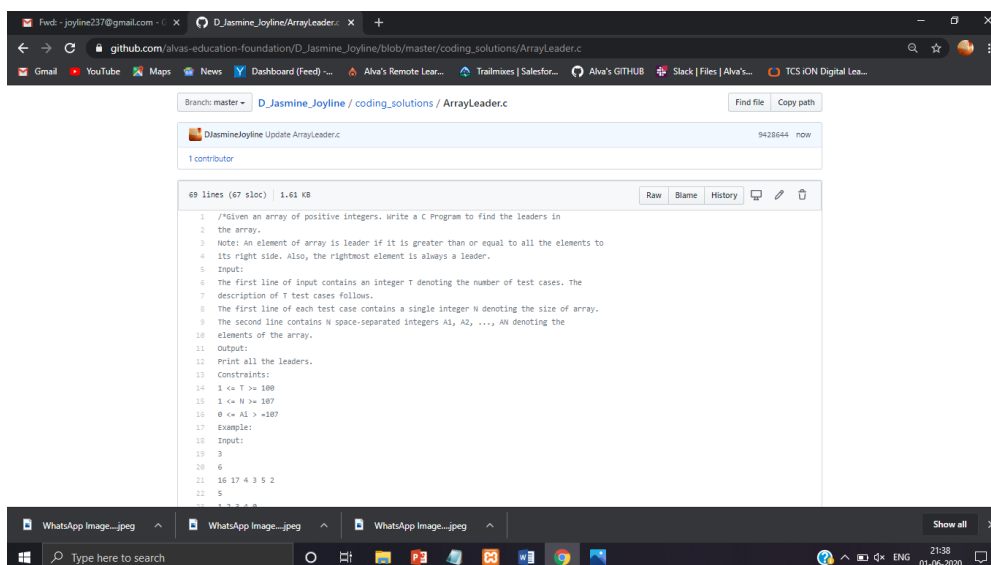
```
3
6
16 17 4 3 5 2
5
1 2 3 4 0
5
7 4 5 7 3
```

Output:

```
17 5 2
4 0
7 7 3
```

Explanation:

Testcase 3: All elements on the right of 7 (at index 0) are smaller than or equal to 7. Also, all the elements of right side of 7 (at index 3) are smaller than 7. And, the last element 3 is itself a leader since no elements are on its right.



The screenshot shows a web browser displaying a GitHub repository page for the file `ArrayLeader.c`. The file is 69 lines long and 1.61 KB in size. The code is a C program designed to find leaders in an array. It includes comments explaining the logic: an element is a leader if it is greater than or equal to all elements to its right, and the rightmost element is always a leader. The program takes input for the number of test cases (T), the size of the array (N), and the array elements (A1, A2, ..., AN). It then prints all the leaders for each test case. The constraints are $1 \leq T \leq 100$, $1 \leq N \leq 107$, and $0 \leq A_i \leq 107$. An example input and output are provided at the bottom of the code block.

```
1 //Given an array of positive integers. write a C Program to find the leaders in
2 the array.
3 Note: An element of array is leader if it is greater than or equal to all the elements to
4 its right side. Also, the rightmost element is always a leader.
5 Input:
6 The first line of input contains an integer T denoting the number of test cases. The
7 description of T test cases follows.
8 The first line of each test case contains a single integer N denoting the size of array.
9 The second line contains N space-separated integers A1, A2, ..., AN denoting the
10 elements of the array.
11 Output:
12 Print all the leaders.
13 Constraints:
14 1 <= T <= 100
15 1 <= N <= 107
16 0 <= Ai <= 107
17 Example:
18 Input:
19 3
20 6
21 16 17 4 3 5 2
22 5
23 1 2 3 4 0
24 7 4 5 7 3
```