

CS23331-DAA-2024-CSE / 4-Print Intersection of 2 sorted arrays-O(m+n)Time Complexity,O(1) Space Complexity

4-Print Intersection of 2 sorted arrays-O(m+n)Time Complexity,O(1) Space Complexity

Started on	Friday, 24 October 2025, 2:30 PM
State	Finished
Completed on	Friday, 24 October 2025, 2:35 PM
Time taken	4 mins 49 secs
Marks	1.00/1.00
Grade	30.00 out of 30.00 (100 %)

Find the intersection of two sorted arrays.

Given 2 sorted arrays, find all the elements which occur in both the arrays.

- · The first line contains T, the number of test cases. Following T lines contain:
- 1. Line 1 contains N1, followed by N1 integers of the first array
- 2. Line 2 contains N2, followed by N2 integers of the second array

Output Format

The intersection of the arrays in a single line

Example

Input:

3 10 17 57

6 2 7 10 15 57 246

Output:

10 57

Input:

6123456

216

Output:

16

For example:

Input	Result		
1	10 57		
3 10 17 57			
6			
2 7 10 15 57 246			

Answer: (penalty regime: 0 %)

```
int i = 0, j = 0;
while (i < n1 && j < n2) {
    if (arr1[i] == arr2[j]) {
        printf("%d ", arr1[i]);
}
```

```
29  | else {
30  | j++;
31  | }
32  | }
33  | printf("\n");
34  | }
35
36  | return 0;
37  | }
38
```

	Input	Expected	Got	
~	1	10 57	10 57	~
	3 10 17 57			
	6			
	2 7 10 15 57 246			
~	1	1 6	1 6	~
	6 1 2 3 4 5 6			
	2			
	1 6			

Passed all tests! 🗸

Correct

Marks for this submission: 1.00/1.00.

Finish review

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