



SIVA S 2024-CSE ▾

**S2****Started on** Wednesday, 8 October 2025, 4:07 PM**State** Finished**Completed on** Wednesday, 8 October 2025, 4:07 PM**Time taken** 38 secs**Marks** 1.00/1.00**Grade** 30.00 out of 30.00 (100%)

**Question 1** Correct Mark 1.00 out of 1.00

Find the intersection of two sorted arrays.

OR in other words,

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

Input Format

· 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:

1

3 10 17 57

6 2 7 10 15 57 246

Output:

10 57

Input:

1

6 1 2 3 4 5 6

2 1 6

Output:

1 6

**For example:**

| Input                                    | Result |
|--|--------|
| 1<br>3 10 17 57<br>6<br>2 7 10 15 57 246 | 10 57  |

**Answer:** (penalty regime: 0 %)

```
1 #include <stdio.h>
2
3 int main() {
4     int T;
5     scanf("%d", &T);
6
7     while (T--) {
8         int N1;
9         scanf("%d", &N1);
10        int A[N1];
11        for (int i = 0; i < N1; i++)
12            scanf("%d", &A[i]);
13
14        int N2;
15        scanf("%d", &N2);
16        int B[N2];
```

|   | Input                                    | Expected | Got   |   |
|---|--|----------|-------|---|
| ✓ | 1<br>3 10 17 57<br>6<br>2 7 10 15 57 246 | 10 57    | 10 57 | ✓ |
| ✓ | 1<br>6 1 2 3 4 5 6<br>2<br>1 6           | 1 6      | 1 6   | ✓ |

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

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