

[Vedhavyas Pavankalyan G L 2023-IT-A](#) ▾**V2****Started on** Sunday, 19 October 2025, 5:53 PM**State** Finished**Completed on** Sunday, 19 October 2025, 5:53 PM**Time taken** 23 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 3 10 17 57 6 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     while (T--) {
7         int n1, n2;
8         scanf("%d", &n1);
9         int a[n1];
10        for (int i = 0; i < n1; i++)
11            scanf("%d", &a[i]);
12        scanf("%d", &n2);
13        int b[n2];
14        for (int i = 0; i < n2; i++)
```

```
15         scanf("%d", &b[i]);
16         int i = 0, j = 0;
17         while (i < n1 && j < n2) {
18             if (a[i] == b[j]) {
19                 printf("%d ", a[i]);
20                 i++;
21                 j++;
22             } else if (a[i] < b[j]) {
23                 i++;
24             } else {
25                 j++;
26             }
27         }
28         printf("\n");
29     }
30     return 0;
31 }
```

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

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

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