

VARSHINI S 2024-CSEV2**Started on** Wednesday, 29 October 2025, 9:08 AM**State** Finished**Completed on** Wednesday, 29 October 2025, 9:27 AM**Time taken** 19 mins 40 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	10 57
3 10 17 57	
6	
2 7 10 15 57 246	

Answer: (penalty regime: 0 %)

```

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

```

15 ▼
16     for(int i=0;i<m;i++){
17         scanf("%d",&brr[i]);
18     }
19     for(int i=0;i<n;i++){
20         for(int j=0;j<m;j++){
21             if(arr[i]==brr[j]){
22                 printf("%d ",arr[i]);
23                 break;
24             }
25         }
26     }
27 }
```

	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.

[Back to Course](#)