



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 3 10 17 57 6 2 7 10 15 57 246	10 57

**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 | for(int i=0;i<m;i++){
16 |     scanf("%d",&brr[i]);
17 | }
18 | for(int i=0;i<n;i++){
19 |     for(int j=0;j<m;j++){
20 |         if(arr[i]==brr[j]){
21 |             printf("%d ",arr[i]);
22 |             break;
23 |         }
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.

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