Started on	Friday, 24 October 2025, 9:22 PM
State	Finished
Completed on	Friday, 24 October 2025, 9:37 PM
Time taken	15 mins 41 secs
Marks	1.00/1.00
Grade	**10.00** out of 10.00 (**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 %)

```c
#include<stdio.h>
int main(){
    int T;
    scanf("%d",&T);
    while(T--){
        int N1,N2;
        scanf("%d",&N1);
        int arr1[N1];
        for(int i=0;i<N1;i++) scanf("%d",&arr1[i]);

        scanf("%d",&N2);
        int arr2[N2];
        for(int i=0;i<N2;i++) scanf("%d",&arr2[i]);

        int i=0,j=0;
        while(i<N1&&j<N2){
            if(arr1[i]<arr2[j])
            i++;
            else if(arr1[i]>arr2[j])
            j++;
            else{
                printf("%d ",arr1[i]);
                i++,j++;
            }
```

```
25            }
26            printf("\n");
27        }
28        return 0;
29  }
```

	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.