Started on	Saturday, 1 November 2025, 7:45 PM
State	Finished
Completed on	Saturday, 1 November 2025, 7:58 PM
Time taken	12 mins 57 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 %)

```
#include<stdio.h>
int main()
{
    int T;
    scanf("%d", &T);
    while (T--)
    {
        int n1, n2;
        scanf("%d", &n1);
        int a[n1];
        for(int i = 0; i < n1; i++)
        {
            scanf("%d" , &a[i]);
        }
        scanf("%d" , &n2);
        int b[n2];
        for(int i = 0; i < n2; i++)
        {
            scanf("%d" , &b[i]);
        }
        int i = 0, j = 0;
        int printed = 0;
```

```
        while(i < n1 && j < n2)
        {
            if (a[i] == b[j])
            {
                printf("%d ",a[i]);
                printed = 1;
                i++;
                j++;
            }
            else if (a[i] < b[j])
            {
                i++;
            }
            else
            {
                j++;
            }
        }
        if(printed)
           printf("\n");
    }

    return 0;
}
```

	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.