RAJALAKSHMI ENGINEERING COLLEGE

CHANDRU G S 2024-CSE

C2

Started on	Thursday, 23 October 2025, 9:19 PM
State	Finished
Completed on	Tuesday, 4 November 2025, 5:26 PM
Time taken	11 days 20 hours
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 %)

```
#include<stdio.h>
int main(){
    int n;
    int n2;
    int t;
    scanf("%d",&t);
    while(t){
    scanf("%d",&n);
    int arr[n];
    for(int i=0;i<n;i++){
        scanf("%d",&arr[i]);
    }

    scanf("%d",&n2);
```

```
    int arr1[n2];
    for(int i=0;i<n2;i++){
        scanf("%d",&arr1[i]);
    }
    for(int i=0;i<n;i++){
        for(int j=0;j<n2;j++)
            if(arr[i]==arr1[j])
            printf("%d ",arr[i]);
    }
    t--;
    }

}
```

	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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