Started on	Thursday, 30 October 2025, 9:20 AM
State	Finished
Completed on	Thursday, 30 October 2025, 9:25 AM
Time taken	4 mins 51 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
1   #include<stdio.h>
2   int main(){
3       int t;
4       scanf("%d",&t);
5       while(t--){
6           int n1,n2;
7           scanf("%d",&n1);
8           int a[n1];
9           for(int i=0;i<n1;i++){
10              scanf("%d",&a[i]);
11          }
12          scanf("%d",&n2);
13          int b[n2];
14          for(int i=0;i<n2;i++){
15              scanf("%d",&b[i]);
16          }
17          int i=0,j=0;
18          while(i<n1 && j<n2){
19              if(a[i]==b[j]){
20                  printf("%d ",a[i]);
21                  i++;
```

```
22                    j++;
23                }
24 ▾            else if(a[i]<b[j]){
25                    i++;
26                }
27 ▾            else{
28                    j++;
29                }
30            }
31        printf("\n");
32        }
33    return 0;
34 }
```

	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.