
Started on Thursday, 30 October 2025, 9:27 AM

State Finished

Completed on Thursday, 30 October 2025, 9:31 AM

Time taken 4 mins 53 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	10 57
3 10 17 57	
6	
2 7 10 15 57 246	

Answer: (penalty regime: 0 %)

```

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                 continue;
21         }

```

```

22         printf("%d ",a[i]);
23         i++;
24         j++;
25     }
26     else if(a[i]<b[j]){
27         i++;
28     }
29     else{
30         j++;
31     }
32 }
33 }
34 }return 0;
35 }

```

	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.

