
Started on Friday, 24 October 2025, 10:26 PM

State Finished

Completed on Friday, 24 October 2025, 10:38 PM

Time taken 12 mins 40 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 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int t;
5     scanf("%d",&t);
6     while(t-->0)
7     {
8         int n1,n2;
9         scanf("%d",&n1);
10        int a[n1];
11        for(int i=0;i<n1;i++)
12        {
13            scanf("%d",&a[i]);
14        }
15        // ...
```

```

15     scanf("%d",&n2);
16     int b[n2];
17     for(int j=0;j<n2;j++)
18     {
19         scanf("%d",&b[j]);
20     }
21
22     int i=0,j=0;
23     int first=1;
24     while(i<n1 && j<n2){
25         if(a[i]==b[j]){
26             if(!first)printf(" ");
27             printf("%d",a[i]);
28             first=0;
29             i++;
30             j++;
31         }
32         else if(a[i]<b[j]){
33             i++;}
34         else{
35             j++;
36         } }printf("\n");
37     }return 0;}
38

```

	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.