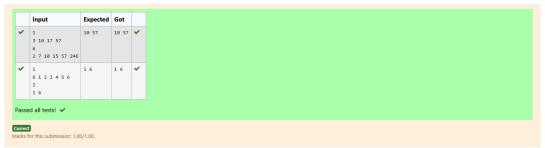


CS23331-Design and Analysis of Algorithms-2023 Batch-CSE

Dashboard / My courses / CS23331-DAA-2023-CSE / Competitive Programming / 4-Print Intersection of 2 sorted arrays-O(m+n)Time Complexity,O(1) Space Complexity



```
Started on Friday, 25 October 2024, 2:23 PM
                                                 State Finished
                  Completed on Friday, 25 October 2024, 2:32 PM
                             Time taken 9 mins 21 secs
                                             Marks 1.00/1.00
                                             Grade 30.00 out of 30.00 (100%)
                                                                     Find the intersection of two sorted arrays.
 Correct
                                                                     OR in other words,
  Mark 1.00 out of
                                                                     Given 2 sorted arrays, find all the elements which occur in both the arrays.
P Flag question
                                                                     · 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:
                                                                   3 10 17 57
                                                                     6 2 7 10 15 57 246
                                                                     Output:
                                                                     10.57
                                                                     Input:
                                                                     6123456
                                                                     216
                                                                     Output:
                                                                     16
                                                                        Input
                                                                        6
2 7 10 15 57 246
                                                                                            ##nclude <stdio.h>
| ##nclude <stdio.h>
| int main(){
| int t,an,bn;
| scanf("%d", &t);
| scanf("%d", &an);
| int a[an];
| for(int i=0;ican;i++)
| scanf("%d", &a[i]);
| scanf("%d", &bn);
| int b[bn];
| for(int i=0;ich;i++)
| scanf("%d", &b[i]);
| int i=0;
| int i=
                                                                      Answer: (penalty regime: 0 %)
```



→ 3-Print Intersection of 2 sorted arrays-O(m*n)Time Complexity,O(1) Space Complexity

Jump to...

5-Pair with Difference-O(n^2)Time Complexity,O(1) Space Complexity -