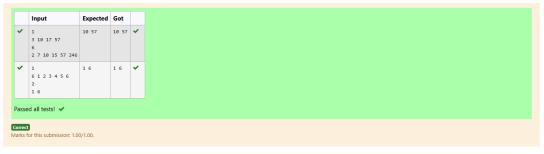


## CS23331-Design and Analysis of Algorithms-2023 Batch-CSE

Dashboard / My courses / CS23331-DAA-2023-CSE / Competitive Programming / 3-Print Intersection of 2 sorted arrays-O(m\*n)Time Complexity,O(1) Space Complexity



```
Started on Friday, 25 October 2024, 1:36 PM
                    State Finished
       Completed on Friday, 25 October 2024, 2:23 PM
            Time taken 46 mins 45 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
                            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:
                           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
                            Answer: (penalty regime: 0 %)
                                       # (Denaily regime: 0 %)
##include scatio.h>
int main(){
   int ntest, n1, n2;
   scanf("%d", åntest);
   scanf("%d", ånt);
   int narray[in1];
   for(int i=0;in1;i++){
      scanf("%d", ånarray[i]);
      //printf("%d", narray1[i]);
}
                                              scanf("%d",&n2);
int narray2[n2];
for(int i=0;i:n2;i++){
    scanf("%d",&narray2[i]);
    //printf("%d ",narray2[i]);
                                               }
//int check[1000]={0};
for(int i=0;i:01;i++){
    for(int j=0;i:02;j++){
        if(narray[i]--narray2[j]){
        printf("%d ",narray1[i]);
        break;
```



→ 2-Finding Duplicates-O(n) Time Complexity,O(1) Space Complexity

Jump to...

4-Print Intersection of 2 sorted arrays-O(m+n)Time Complexity,O(1) Space Complexity >