Marwadi University	Marwadi University	
	Faculty of Technology	
	Department of Information and Communication Technology	
Sem: 5	Name :Pushti Depani	
Day: 21	Date: 07/11/2022	Enrollment No: 92000133018

CP Club 365Days Challenge

Date – 07/11/2022 <u>Programming language</u> – only C language

Problem Statement

Write the code not just for one input but for many more.(Dynamic code)
Code must be in C language only

Alice has an array A of length N which is initially a permutation. She dislikes K numbers which are B_1 , B_2 ,..., B_K all of which are distinct. Therefore, she removes all the occurrences of these numbers from A. The order of the remaining elements of the A does not change. Can you find out the resulting array A?

Note: A permutation of length N is an array where every integer from 11 to NN occurs exactly once.

Input Format

- The first line contains a single integer TT the number of test cases. Then the test cases follow.
- The first line of each test case contains an integer NN the size of the array AA.
- The second line of each test case contains NN integers A_1, A_2, \ldots, A_NA1,A2,...,AN denoting the array AA.
- The third line of each test case contains an integer KK the size of the array BB.
- The fourth line of each test case contains KK integers B_1, B_2, \ldots, B_KB1,B2,...,BK denoting the numbers which Alice dislikes.



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Input:

Output:

42 216437 451

Explanation:

Test Case 1: Here A = [4, 1, 3, 2]A = [4,1,3,2] and B = [3, 1]B = [3,1]. The resulting array AA after removing all the numbers which Alice dislikes is [4, 2][4,2].

Your Code:

```
#include <stdio.h>
#include <string.h>
int occurance(int[],int[],int,int);
void element(int[],int,int);
```

int main(){



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```
int l,i,j;
      scanf("%d",&I);
      for(i=0;i<1;i++){
            int p,q;
            scanf("%d",&p);
            int d[p];
            for(j=0;j<p;j++){
                  scanf("%d",&d[j]);
            }
            scanf("%d",&q);
            int c[q];
            for(j=0;j<q;j++){
                  scanf("%d",&c[j]);
            int o = occurance(d,c,p,q);
            for(j=0;j<0;j++){
                  printf("%d ",d[j]);
            printf("\n");
      }
      return 0;
}
int occurance(int a[],int b[],int t1, int t2){
      int i,j;
      for(i=0;i<t2;i++){
            for(j=0;j<t1;j++){
                  if(a[j]==b[i]){
```



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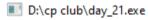
Output (Screen Shot):



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```
4 4 1 3 2 2 2 3 4 5 1 2 2 2 9 Press any key to continue . . .
```

Understanding about problem:

The problem was all about how to remove the occurrence and the element from a given group of elements. Using nested for loop we can do this.

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

ALL THE BEST

Team CP Club