| Problem | Editorial | Submissions | Doubt Support | | C++ (g++ 5.4) ▾ | Test against custom input |

Expected Auxiliary Space: O(n1 + n2 + n3)

Constraints:
1 <= n1, n2, n3 <= 10^5
The array elements can be both positive or negative integers.

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Discussions ⧉

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```
27        */
28        vector<int> ans;
29        int a = 0, b = 0, c = 0;
30        int aN = n1, bN = n2, cN = n3;
31
32        while(a < aN and b < bN and c < cN){
33            if(A[a] == B[b] and B[b] == C[c]){
34                int ansSize = ans.size();
35                if(ansSize == 0 or ans[ansSize - 1] != A[a])//Dont incluse the dupliate val
36                    ans.push_back(A[a]);
37                a++; b++; c++;
38            }
39            else{
40                int maxNumber = max(A[a], max(B[b], C[c]));
41                while(A[a] < maxNumber) a++;
42                while(B[b] < maxNumber) b++;
43                while(C[c] < maxNumber) c++;
44            }
45
46        }
47        return ans;
48
49
```

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kapilrajajm 2 hours ago

```
        vector <int> ans;
        int i=0,j=0,k=0;
        int prev1 = INT_MIN;
        int prev2 = INT_MIN;
        int prev3 = INT_MIN;
        while (i<n1 && j<n2 && k<n3){
            while (a[i]== prev1 && i<n1)
                i++;
            while (b[j] == prev2 && j<n2
                j++;
            while (c[k] == prev3 && k<n3
                k++;

            if (a[i] == b[j] && b[j] ==
                ans.push_back(a[i]);
                prev1= a[i];
                prev2= b[j];
                prev3= c[k];
                i++;
                j++;
                k++;
            }
            else if (a[i] <b[j]){
                prev1 =a[i];
                i++;
            }
            else if (b[j]< c[k]){
                prev2= b[j];
                j++;
            }
            else {
                prev3 = c[k];
                k++;
            }


        }
        return ans;
```

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Output Window

Problem Solved Successfully ✅

| Test Cases Passed: | Total Points Scored: |
| **158** / 158 | **2**/2 |

| Total Time Taken: | Your Accuracy: |
| **0.2**/1.47 | **33%** |

Attempts No.:

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arghyaarya3003 1 day ago

Simple C++ Solution:

```
vector<int> commonElements (int A[], int B[], int
{
    //code here.
    map<int, int> mp;

    set<int> Atemp(A,A+n1);
    set<int> Btemp(B,B+n2);
```

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