#include <iostream>

#include <bits/stdc++.h>

using namespace std;

int main(){

//Initialise both arrays

int array1[] = {3, 1, 4, 1, 2};

int array2[] = { 5, 1, 2, 4, 2, 1};

int k=0;

//length of array

int l1 = sizeof(array1) / sizeof(array1[0]);

int l2 = sizeof(array2) / sizeof(array2[0]);

// Sorting the arrays

sort(array1, array1 + l1);

sort(array2, array2 + l2);

//vector to store common values

vector<int> v(l1 + l2);

//iterator for vector

vector<int>::iterator it, st;

it = set\_intersection(array1, array2 + l1,

array2, array2 + l2,

v.begin());

for (st = v.begin(); st != it; ++st)

k++;

cout <<"Count of elements common in both arrays : " << k;

return 0;

}

Count of elements common in both arrays : 4

...Program finished with exit code 0

Press ENTER to exit console.