Code:

#include <iostream>

using namespace std;

int main() {

const int MAX\_SIZE = 100;

int myArray[MAX\_SIZE];

int size;

cout << "Enter the number of entries up to " << MAX\_SIZE << ": ";

cin >> size;

if (size > MAX\_SIZE) {

// If the size is greater than max size, diplay error

cout << "Error!, Size exceeds the maximum limit of " << MAX\_SIZE << "." << endl;

return 1;

}

cout << "Enter " << size << " elements:" << endl;

for (int i = 0; i < size; ++i) {

cin >> myArray[i];

}

// Array to keep track of counted elements

bool counted[MAX\_SIZE] = { false };

cout << "Duplicate elements and their counts:" << endl;

for (int i = 0; i < size; ++i) {

if (counted[i]) {

continue; // Skip if already counted

}

int count = 1;

for (int j = i + 1; j < size; ++j) {

if (myArray[i] == myArray[j]) {

count++;

counted[j] = true; // Mark as counted

}

}

if (count > 1) {

cout << myArray[i] << " appears " << count << " times." << endl;

}

}

return 0;

}

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