#include <iostream>

using namespace std;

int main()

{

string word1, word2;

cout << "Enter the first word: ";

cin >> word1;

cout << "Enter the second word: ";

cin >> word2;

if(word1.length() != word2.length()){

cout << "The words are not anagrams";

return 0;

}

int cnt1[26] = {0};

int cnt2[26] = {0};

for(int i = 0; i < word1.length(); i++){

word1[i] = tolower(word1[i]);

word2[i] = tolower(word2[i]);

cnt1[word1[i] - 'a']++;

cnt2[word2[i] - 'a']++;

}

for(int i = 0; i < 26; i++){

if(cnt1[i] != cnt2[i]){

cout << "The words are not anagrams";

return 0;

}

}

cout << "The words are anagrams";

return 0;

}

//BigO (n)

// ตัวเล็กตัวใหญ่มีค่าเท่ากัน

// ใช้ bracket เก็บค่าแล้ววนเช็คว่าค่าใน bracket เท่ากันรึเปล่า

Output:

Text

Description automatically generated with medium confidence

Text

Description automatically generated

Text

Description automatically generated with medium confidence

Text

Description automatically generated