ธัญพิสิษฐ์ บัวประคอง 64090500404

```cpp
#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;
}
```

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//BigO (n)

// ตัวเล็กตัวใหญ่มีค่าเท่ากัน
// ใช้ bracket เก็บค่าแล้ววนเช็คว่าค่าใน bracket เท่ากันรึเปล่า

Output:

```
Enter the first word: SILENT
Enter the second word: EILNST
The words are anagrams
```

```
Enter the first word: CARE
Enter the second word: RACE
The words are anagrams
```

```
Enter the first word: FINDMORE
Enter the second word: dnifREom
The words are anagrams
```

```
Enter the first word: REMOI
Enter the second word: imor
The words are not anagrams
```