

```
#include <iostream>

using namespace std;

main(){

    string str1;

    cout << "Input word : ";

    cin >> str1;

    string str2;

    cout << "Input seek word : ";

    cin >> str2;

    int i = 0 , j = 0;

    while(i, str1.length() && j<str2.length()){

        if(str1[i] == str2[j]){

            i++;

            j++;

        }

        else{

            j++;

        }

    }

    if(j == str2.length()){

        cout << "There is " << str2 << " in " << str1 << "!";

    }

    else{

        cout << "There is no " << str2 << " in " << str1 << "!";

    }

    cout << endl;

    cout << "BIG O: O(n)";

}
```

Output :

```
• > cd "c:\Users\porpu\Desktop\Code\CSS223\ForExam\"
Input word : AffeCT
Input seek word : ACT
There is ACT in AffeCT!
BIG O: O(n)
• > cd "c:\Users\porpu\Desktop\Code\CSS223\ForExam\"
Input word : AREnA
Input seek word : AREA
There is AREA in AREnA!
BIG O: O(n)
• > cd "c:\Users\porpu\Desktop\Code\CSS223\ForExam\"
Input word : BLOssOM
Input seek word : BLOOM
There is BLOOM in BLOssOM!
BIG O: O(n)
```