

```
#include <iostream>

#include <string.h>

#include <stdio.h>

using namespace std;

main()
{
    char w[20], s[20];
    cout << "Input word : ";
    gets(w);
    cout << "Input seek word : ";
    gets(s);
    int wl = strlen(w);
    int sl = strlen(s);
    int c = 0;
    for (int i = 0; i < wl; i++)
    {
        if (w[i] == s[c] || w[i] == s[c] - 32 || w[i] == s[c] + 32)
        {
            c++;
            if (c == sl)
            {
                cout << "There is " << s << " in " << w << "!";
                return 0;
            }
        }
    }
}
```

```
cout << "There is no " << s << " in " << w << "!";  
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!  
• > cd "c:\Users\porpu\Desktop\Code\CSS223\ForExam\" ;  
Input word : AREnA  
Input seek word : AREA  
There is AREA in AREnA!  
• > cd "c:\Users\porpu\Desktop\Code\CSS223\ForExam\" ;  
Input word : BLOssOM  
Input seek word : BLOOM  
There is BLOOM in BLOssOM!
```