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Dashboard > Algorithms > Strings > CamelCase

Badge Progress

★ ★

Points: 726.00 Rank: 41021

CamelCase

by [nabila_ahmed](#)

Problem

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Editorial

Alice wrote a sequence of words in [CamelCase](#) as a string of letters, *s*, having the following properties:

- It is a concatenation of one or more *words* consisting of English letters.
- All letters in the first word are *lowercase*.
- For each of the subsequent words, the first letter is *uppercase* and rest of the letters are *lowercase*.

Given *s*, print the number of words in *s* on a new line.

Input Format

A single line containing string *s*.

Constraints

- $1 \leq |s| \leq 10^5$

Output Format

Print the number of words in string *s*.

Sample Input

```
saveChangesInTheEditor
```

Sample Output

```
5
```



Explanation



String *s* contains five words:

- save
- Changes
- In
- The
- Editor

Thus, we print **5** on a new line.

Need help? Try [this problem](#) first to get familiar with HackerRank environment.

Current Buffer (saved locally, editable)  

C++  

[f](#) [t](#) [in](#)Submissions: [62272](#)

Max Score: 15

Difficulty: Easy

Rate This Challenge:

☆☆☆☆☆

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```

1 #include <map>
2 #include <set>
3 #include <list>
4 #include <cmath>
5 #include <ctime>
6 #include <deque>
7 #include <queue>
8 #include <stack>
9 #include <string>
10 #include <bitset>
11 #include <cstdio>
12 #include <limits>
13 #include <vector>
14 #include <climits>
15 #include <cstring>
16 #include <cstdlib>
17 #include <fstream>
18 #include <numeric>
19 #include <sstream>
20 #include <iostream>
21 #include <algorithm>
22 #include <unordered_map>
23
24 using namespace std;
25
26 void print_from_camelcase(string s) {
27     int firstIndex = 0, i, wordCount = 1;
28
29     for (i = 0; i < s.size(); i++) {
30         if (isupper(s[i])) {
31             //cout << s.substr(firstIndex, i - firstIndex) << "\n";
32             //firstIndex = i++;
33             wordCount++;
34         }
35     }
36
37     cout << wordCount;
38     //cout << s.substr(firstIndex, i - firstIndex) << "\n";
39 }
40
41 int main(){
42     string s;
43     cin >> s;
44     print_from_camelcase(s);
45     return 0;
46 }
47

```

Line: 1 Col: 1

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