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Kelas : Tl22F

Keterangan: Perbaikan Nilai

Matkul : Algoritma Struktur Data

1. Algorithms

Soal pada HackerRank yaitu CamelCase pada java8 soal nya sebagai berikut:

There is 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, determine the number of words in s.

Example

 $s=\mathit{oneTwoThree}$

There are $\bf 3$ words in the string: 'one', 'Two', 'Three'.

Function Description

Complete the camelcase function in the editor below.

camelcase has the following parameter(s):

• string s: the string to analyze

Returns

• int: the number of words in s

Input Format

A single line containing string s.

Constraints

• $1 \le \text{length of s} \le 10^5$

Sample Input

saveChangesInTheEditor

Sample Output

5

Explanation

String ${m s}$ contains five words:

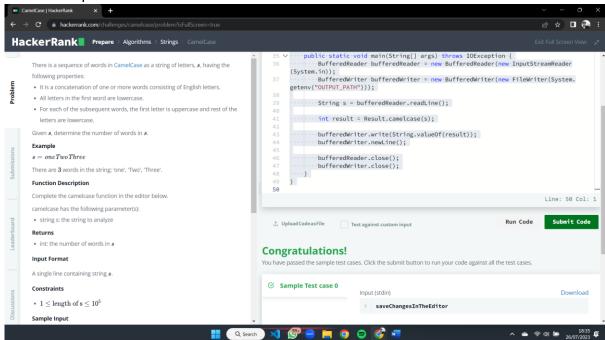
- 1. save
- 2. Changes
- 3. ln
- 4. The
- 5. Editor

Need help? Try this problem first to get familiar with HackerRank environment.

Berikut Problem Solving yang saya lakukan pada masalah tersebut:

```
import java.io.*;
import java.math.*;
import java.security.*;
import java.text.*;
import java.util.*;
import java.util.concurrent.*;
import java.util.function.*;
import java.util.stream.*;
import java.util.stream.Collectors.joining;
import static java.util.stream.Collectors.toList;
      class Result {
            public static int camelcase(String s) {
             int count = 0;
for (int i = 0; i < s.length(); i++) {
   char ch = s.charAt(i);
   if (ch >= 65 && ch <= 90) {</pre>
                                  count++;
                    return count + 1;
                   BufferedReader bufferedReader = new BufferedReader(new InputStreamReader(System.in));
BufferedWriter bufferedWriter = new BufferedWriter(new FileWriter(System.getenv("OUTPUT_PATH")));
                    String s = bufferedReader.readLine();
                    int result = Result.camelcase(s);
                   bufferedWriter.write(String.valueOf(result));
                   bufferedWriter.newLine();
                    bufferedReader.close();
                    bufferedWriter.close();
```

Untuk hasil pada HackerRank:



2. Data Structures

Soal pada HackeeRank pada point QHEAP1 pada java8 soalnya sebagai berikut:

This question is designed to help you get a better understanding of basic heap operations.

There are **3** types of query:

- " $1\ v$ " Add an element v to the heap.
- "2 v" Delete the element v from the heap.
- "3" Print the minimum of all the elements in the heap.

NOTE: It is guaranteed that the element to be deleted will be there in the heap. Also, at any instant, only distinct elements will be in the heap.

Input Format

The first line contains the number of queries, Q.

Each of the next ${\it Q}$ lines contains one of the ${\it 3}$ types of query.

Constraints

$$1 \le Q \le 10^5 \ -10^9 \le v \le 10^9$$

Output Format

For each query of type 3, print the minimum value on a single line.

Sample Input

Sample Output

```
4
9
```

Explanation

After the first 2 queries, the heap contains $\{4,9\}$. Printing the minimum gives 4 as the output. Then, the 4^{th} query deletes 4 from the heap, and the 5^{th} query gives 9 as the output.

Berikut Kode Problem Solving terhadap soal tersebut:

Hasil problem solving pada HackRank:

