Week-07 Program-01

Due on 2020-03-19, 23:59 IST

Write a C Program to Count Number of Uppercase and Lowercase Letters in a given string. The string may be a word or a sentence.

**Sample Test Cases**

<table>
<thead>
<tr>
<th>Input</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Problem Solving through Programming in C.</td>
<td>Uppercase Letter s : 4</td>
</tr>
<tr>
<td>AICTE Approved FDP Course</td>
<td>Lowercase Letter s : 31</td>
</tr>
<tr>
<td>Online NPTEL Course.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Test Case 1</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Problem Solving through Programming in C.</td>
<td>Uppercase Letter s : 10</td>
</tr>
<tr>
<td>AICTE Approved FDP Course</td>
<td>Lowercase Letter s : 12</td>
</tr>
<tr>
<td>Online NPTEL Course.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Test Case 2</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Problem Solving through Programming in C.</td>
<td>Uppercase Letter s : 7</td>
</tr>
<tr>
<td>AICTE Approved FDP Course</td>
<td>Lowercase Letter s : 10</td>
</tr>
<tr>
<td>Online NPTEL Course.</td>
<td></td>
</tr>
</tbody>
</table>
The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

Sample solutions (Provided by instructor)

```c
#include<stdio.h>
int main() {
    int upper = 0, lower = 0;
    char ch[100];
    scanf(" %[^\n]s", ch); /*A word or a sentence is accepted from test
    */
    /* Complete the remaining part of the code to store number of uppercase
    in the variable upper and lowercase letters in variable lower.
    */
    int i = 0;
    while (ch[i] != '\0') {
        if (ch[i] >= 'A' && ch[i] <= 'Z')
            upper++;
        if (ch[i] >= 'a' && ch[i] <= 'z')
            lower++;
        i++;
    }
    printf("Uppercase Letters : %d\n", upper); /*prints number of uppercase
    */
    printf("Lowercase Letters : %d\n", lower); /*prints number of lowercase
    */
    return (0);
}
```
Week 11

Week 12

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