✏ Practice Arena

Practice problems aimed to improve your coding skills.

📂 PRACTICE-02_SCAN-PRINT

📂 PRACTICE-03_TYPES

📂 LAB-PRAC-02_SCAN-PRINT

📂 LAB-PRAC-01

📂 PRACTICE-04_COND

📂 BONUS-PRAC-02

📂 LAB-PRAC-03_TYPES

📂 PRACTICE-05_COND-LOOPS

📂 LAB-PRAC-04_COND

📂 LAB-PRAC-05_CONDLOOPS

📂 PRACTICE-07_LOOPS-ARR

📂 LAB-PRAC-06_LOOPS

📂 LAB-PRAC-07_LOOPS-ARR

📂 LABEXAM-PRAC-01_MIDSEM

📂 PRACTICE-09_PTR-MAT

📂 LAB-PRAC-08_ARR-STR

    ❓ Il fratello di Fibonacci

    ❓ Hidden Palindrome

    ❓ Hush Hush Hash

    ❓ Maximum Match

    ❓ El secreto de sus I

    ❓ Star Replacement

    ❓ Stronger together

    ❓ Rigorous and repeated redaction

    ❓ strnrev

    ❓ Monster and Mini Multiply

    ❓ Clash of the Substrings

    ❓ Personalizing Emails

📂 PRACTICE-10_MAT-FUN

📂 LAB-PRAC-09_PTR-MAT

📂 LAB-PRAC-10_MAT-FUN

📂 PRACTICE-11_FUN-PTR

📂 LAB-PRAC-11_FUN-PTR

📂 LAB-PRAC-12_FUN-STRUC

📂 LABEXAM-PRAC-02_ENDSEM

📂 LAB-PRAC-13_STRUC-NUM

📂 LAB-PRAC-14_SORT-MISC

Star Replacement

LAB-PRAC-08_ARR-STR

Star Replacement [20 marks]

Problem Statement

You will given a string containing n characters where n is at least 1 but at most 499. We assure you that the string will contain only upper case English letters i.e. from 'A' to 'Z'. In the second line of the input, you will be given a single character which will also be an upper case English letter. You will have to change this string such that each occurrence of that character in the string is replaced by two consecutive asterisk/star characters i.e. "**" (without the quotes).

In the first line of your output, calculate and print the length of this new string. Next, print this new string in the second line of your output. We assure you that the new string will be of length 999 or less. If the character does not appear in the original string at all, the string will remain unchanged.

Caution

1. If you are storing the elements in a character array, then you will have to shift elements of the character array to the right since you will be replacing one character by two * characters. Use a loop carefully to shift elements to the right.
2. Be careful about extra/missing lines and extra/missing spaces in your output.

HINTS:

1. To do the above properly, you will find it helpful to first calculate the length of the final string. You anyway have to do this for the first part of the question.
2. The strlen function from string.h can be used to calculate the length of a string.

EXAMPLE:
INPUT
ABCDE
C

OUTPUT:
6
AB**DE

Grading Scheme:
Total marks: **[20 Points]**

There will be partial grading in this question. There are two lines in your output. Printing each line correctly, in the correct order, carries some weightage. The first line carries 20% weightage and the second line carries 80% weightage. Each visible test case is worth 2 points and each hidden test case is worth 4 points. There are 2 visible and 4 hidden test cases.

Please remember, however, that when you press Submit/Evaluate, you will get a green bar only if all

parts of your answer are correct. Thus, if your answer is only partly correct, Prutor will say that you have not passed that test case completely, but when we do autograding afterwards, you will get partial marks.

🍴 Start Solving! (/editor/practice/6168)