✏ 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
📂 PRACTICE-10_MAT-FUN
📂 LAB-PRAC-09_PTR-MAT
  ❷ Mr C writes a Story
  ❷ Matrix Arithmetic
  ❷ Spin the Matrix
  ❷ Crony Capitalization
  ❷ Matrix Mirroring
  ❷ Sodoku
  ❷ The Last Line
  ❷ Singular Value Decomposition
  ❷ Matrix Flip
  ❷ Now we are in Rome
  ❷ Search for the Submatrix
  ❷ Convoluted Convolutions
📂 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

Crony Capitalization

LAB-PRAC-09_PTR-MAT

Crony Capitalization [10 marks]

Problem Statement
Mr C has a friend who likes to type in a very untidy manner and then cajoles Mr C to clean up his text. The first line of the input will contain a strictly positive integer n followed by n lines, each containing an untidy string. Each string will contain English alphabets (upper and lower case), numerals, spaces as well as all punctuation marks (brackets, colon, semicolon, quotes etc). The three punctuation marks full stop . exclamation mark ! and question mark ? will be designated as *termination symbols*.

Your output should convert each of the n input lines and convert them to proper capitalization as described below. Print each corrected line in a separate output line. The rules for for capitalization are very simple

1. Sentences are terminated by termination symbols and may be followed by one or more spaces before the next sentence starts. Each line of input will contain one or more sentences.
2. Sentences must contain exactly one termination symbol but may otherwise be empty.
3. If the first non-space character in a sentence is an alphabet character, it must be in upper case.
4. All other alphabet characters in a sentence must be in lower case.
5. Case rules do not apply to non-alphabet characters.

Caution

1. Sentences may start with any non-space character.
2. Sentences may be empty.
3. Your output lines must not differ from the input lines in terms of words or their order or number or spaces etc. The only modification that is needed is fixing the capitalization.
4. Your output must contain exactly n lines.
5. Be careful about extra/missing lines and extra/missing spaces in your output.

EXAMPLE:
INPUT
2
Hello, My name is Mr C
What is your name? I teach ESC101

OUTPUT:
Hello, my name is mr c
What is your name? I teach esc101

Grading Scheme:
Total marks: **[10 Points]**

There will be no partial grading in this question. An exact match will receive full marks whereas an incomplete match will receive 0 points. Please be careful of missing/extra spaces and missing/lines (take help of visible test cases). Each visible test case is worth 1 point and each hidden test case is worth 2 points. There are 2 visible and 4 hidden test cases.

🍴 Start Solving! (/editor/practice/6185)