sWAP cASE



You are given a string and your task is to *swap cases*. In other words, convert all lowercase letters to uppercase letters and vice versa.

For Example:

Www.HackerRank.com \rightarrow wWW.hACKERrANK.COM Pythonist 2 \rightarrow pYTHONIST 2

Input Format

A single line containing a string ${\it S}$.

Constraints

 $0 < len(S) \le 1000$

Output Format

Print the modified string S.

Sample Input 0

HackerRank.com presents "Pythonist 2".

Sample Output 0

hACKERrANK.COM PRESENTS "pYTHONIST 2".