Problem

You are given a string S in the **camel case** format. Your task is to convert this string into the **snake case** format.

Examples of the camel case strings are as follows:

- ComputerHope
- FedEx
- WordPerfect

Note: In the camel case string, the first character may or may not be capitalized.

Examples of the snake case strings are as follows:

- computer_hope
- fed_ex
- word_perfect

Input format

- First line: T denotes the number of test cases
- Next T lines: String S

Output format

For each test case, print the snake case format of the given camel case in the string S in a new line.

Constraints

$1 \leq T \leq 100$

$1 \leq |S| \leq 100$, where $|S|$ indicates the length of string S

String S is made of lower and upper case English alphabets

Sample Input	Sample Output
6 HackerEarth primeCheck OddOrEven random getRandom macOS	hacker_earth prime_check odd_or_even random get_random mac_o_s

Time Limit: 1

Memory Limit: 256

Source Limit: