Decryption is Fun

ZPRAC-16-17-Lab2

[30 points]

Amlan, a geek, is fond of cryptography. Still, he needs your help in a decryption problem.
You are given as input two small case alphabets (e.g. ab). You need to decode it into a word containing:
  1. Upper case letter corresponding to the first alphabet.
  2. Difference between ASCII value of the two alphabets: ASCII value of second alphabet - ASCII value of first alphabet.
  3. Upper case letter corresponding to the second alphabet.

For the input ab, your output should be A1B.
Explanation - 'A' is corresponding upper case letter of 'a', difference between ASCII values of 'b'(98) and 'a'(97) is 1, and 'B' is corresponding upper case letter of 'b'.

Input:
  Input contains two letters - two small case alphabets.
Output:
 Output the decoded string as described.

Example:
Input:
ab
Output:
A1B