

Character Challenge

ZPRAC-16-17-Lab2

[40 points]

Bhuvesh and Harpreet keep challenging each other. Harpreet recently learnt cryptology and wants to beat Bhuvesh in the Character Challenge. In this game, the player is given five letter encrypted word and he has to decrypt it. Bhuvesh figured out that each letter when shifted by a constant number d gives the decrypted letter. Write a C program to help him win the challenge.

Input:

In input, one five-letter word (small case letters) and a number d will be given. ($0 \leq d \leq 103$)

Output:

Print the decrypted five-letter word

Example:

Input:

ajyqq 2

Output:

class

Explanation of the example:

This means each letter has to be shifted by 2 to get the decrypted word.

$a+2=c$ ($a \rightarrow b \rightarrow c$)

Similarly,

$j+2=l$ ($j \rightarrow k \rightarrow l$)

Note: $y+2=a$ ($y \rightarrow z \rightarrow a$)