Program-12

Caesar Cipher is an encryption technique which is implemented as ROT13 ('rotate by 13 places'). It is a simple letter substitution cipher that replaces a letter with the letter 13 places after it in the alphabets, with the other characters remaining unchanged.  
  
ROT13  
A/a B/b C/c D/d E/e F/f G/g H/h I/i J/j K/k L/l M/m  
   
N/n O/o P/p Q/q R/r S/s T/t U/u V/v W/w X/x Y/y Z/z  
  
Write a program to accept a plain text of length L, where L must be greater than 3 and less than 100.  
  
Encrypt the text if valid as per the Caesar Cipher.  
  
Test your program with the sample data and some random data.  
  
Example 1  
  
INPUT:  
Hello! How are you?  
  
OUTPUT:  
The cipher text is:  
Uryyb! Ubj ner lbh?  
  
Example 2  
  
INPUT:  
Encryption helps to secure data.  
  
OUTPUT:  
The cipher text is:  
Rapelcgvba urycf gb frpher qngn.  
  
Example 3  
  
INPUT:  
You  
  
OUTPUT:  
INVALID LENGTH