Problem Statement
Java

Given a String data and an integer number key K, write a java program to encrypt the data using the key and decrypt the encrypted data using the same key.

The data will contain only alphabets, numbers and space. The key is a 3-digit number and each digit should be between 1 to 7 (both inclusive).

Encryption rules :

First digit : Reduce the ASCII values of all the Upper-case characters in the data by the first digit of the key.

Second digit : Reduce the ASCII values of all the Lower-case characters in the data by the second digit of the key.

Third Digit : Reduce the ASCII values of all the numeric characters in the data by third digit of the key.

Do not encrypt the Space character.

Based on the Encryption rule, you can identify the rules for Decryption as well.

Constraints :

111<= K <=777

Data is a string with only alphabets, numbers and spaces.

Input Format :

First line contains the String data D and number key K separated by ','

Output Format :

Encrypted data, Decrypted data

Sample Input :

Amazing Num192,345

Sample Output :

>i]vejc Kqi,4-,Amazing Num192

Sample Input :

Amazon S3,777

Sample Output :

:fZshg L,,Amazon S3