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#include <stdio.h>
#include <string.h>

int main(int argc, char *argv[]) {
    char plainText[127], cipherText[127];
    char password;
    int i;
    fflush(stdin);
    printf("Nhap ban ro: "); gets(plainText);

    //Khoa
    password = 3;
    for(i=0; i<strlen(plainText); i++)
        cipherText[i] = (plainText[i] + password) % 256;

    cipherText[strlen(plainText)] = 0; //ket thuc xau
    printf("Ban ma: %s\n", cipherText);

    for(i=0; i<strlen(cipherText); i++)
        plainText[i] = (cipherText[i] - password) % 256;

    plainText[strlen(cipherText)] = 0; //ket thuc xau
    printf("Giai ma, ban ro: %s\n", plainText);

    return 0;
}
```