#include<stdio.h>

int main(){

int i,x;

char str[100];

printf("\nPlease enter a string:\t");

gets(str);

printf("\nPlease choose the following options:\n");

printf("1=Encrypt the string.\n");

printf("2=Decrypt the string.\n");

scanf("%d",&x);

// using switch case statement

switch(x){

case 1:

for(i=0;(i<100 && str[i] !='\0');i++)

str[i]=str[i]+3; // key for encryption is 3 added to ASCII

printf("\Encrypted string:%s\n",str);

break;

case 2:

for(i=0;(i<100 && str[i]!='\0');i++);

str[i]=str[i]-3; // Key for encryption is 3 subtracted to ASCII value

printf("\nDecrypted string:%s\n",str);

break;

default:

printf("\nError\n");

}

return 0;

}