```
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <ctype.h>
#include <time.h>
void otp_cipher(char *plaintext, char *key, char *ciphertext) {
  int plaintext len = strlen(plaintext);
  int key_len = strlen(key);
  int i;
  for (i = 0; i < plaintext_len; i++) {
     if (isalpha(plaintext[i])) {
       int base = isupper(plaintext[i]) ? 'A' : 'a';
       ciphertext[i] = ((plaintext[i] - base + (key[i] - base)) \% 26) + base;
     } else {
       ciphertext[i] = plaintext[i];
  ciphertext[i] = '\0';
void otp_decipher(char *ciphertext, char *key, char *plaintext) {
  int ciphertext_len = strlen(ciphertext);
  int i;
  for (i = 0; i < ciphertext\_len; i++) {
     if (isalpha(ciphertext[i])) {
       int base = isupper(ciphertext[i]) ? 'A' : 'a';
        plaintext[i] = ((ciphertext[i] - base - (key[i] - base) + 26) \% 26) + base;
       plaintext[i] = ciphertext[i];
  plaintext[i] = '\0';
int main() {
  char plaintext[100];
  char key[100];
  char ciphertext[100];
  char decryptedtext[100];
  printf("Enter the plaintext: ");
  scanf("%99s", plaintext);
  srand(time(NULL));
```