

```
for (int i = 0; i < strlen(plaintext); i++) {
    if (isalpha(plaintext[i])) {
        int base = isupper(plaintext[i]) ? 'A' : 'a';
        key[i] = (rand() % 26) + base;
    } else {
        key[i] = plaintext[i];
    }
}
key[strlen(plaintext)] = '\0';

otp_cipher(plaintext, key, ciphertext);
printf("Ciphertext: %s\n", ciphertext);
printf("Key: %s\n", key);

otp_decipher(ciphertext, key, decryptedtext);
printf("Decrypted text: %s\n", decryptedtext);

return 0;
}
```