

main.c



Run

Output

Cle

```
1  #include <stdio.h>
2
3  int main() {
4      char text[100];
5      char token[100];
6      int i, j, key;
7      printf("Enter plain text: ");
8      fgets(text, sizeof(text), stdin);
9      printf("enter the cipher text: ");
10     fgets(token, sizeof(token), stdin);
11     printf("Enter key (1-25): ");
12     scanf("%d", &key);
13
14     for (i = 0; text[i] != '\0'; i++) {
15         if (text[i] >= 'A' && text[i] <= 'Z') {
16             text[i] = (text[i] - 'A' + key) %
17                 26 + 'A';
18         } else if (text[i] >= 'a' && text[i] <=
19             'z') {
20             text[i] = (text[i] - 'a' + key) %
21                 26 + 'a';
22         }
23     }
24
25     for (j = 0; token[j] != '\0'; j++) {
26         if (token[j] >= 'A' && token[j] <= 'Z')
27             {
28                 token[j] = (token[j] - 'A' - key) %
29                     26 + 'A';
30             } else if (token[j] >= 'a' && token[j]
31                 <= 'z') {
32                 token[j] = (token[j] - 'a' - key) %
33                     26 + 'a';
34             }
35     }
36
37     printf("Encrypted text: %s", text);
38     printf("decrypted text: %s", token);
39     return 0;
40 }
```

Enter plain text: manikanteswar Reddy  
enter the cipher text: three  
Enter key (1-25): 3  
Encrypted text: pdqIndqwhvzdu Uhggbb  
decrypted text: qeobb

=== Code Execution Successful ===