main.c

Run

Output

Clear

```c
#include <stdio.h>
#include <string.h>
#include <ctype.h>
void polyalphabeticEncrypt(const char* plaintext
    , const char* keyword, char* ciphertext) {
    int ptLen = strlen(plaintext);
    int keyLen = strlen(keyword);
    int i, j = 0;
    for (i = 0; i < ptLen; i++) {
        char ptChar = plaintext[i];
        if (isalpha(ptChar)) {
            char keyChar = toupper(keyword[j %
                keyLen]);
            int shift = keyChar - 'A';

            if (islower(ptChar)) {
                ciphertext[i] = ((ptChar - 'a' +
                    shift) % 26) + 'a';
```

```
Enter the plaintext: cryptography
Enter the keyword: key
Ciphertext: mvwzxmqvyzlw


=== Code Execution Successful ===
```

main.c

Run

```c
}
int main() {
    char plaintext[100], keyword[100],
        ciphertext[100];
    printf("Enter the plaintext: ");
    fgets(plaintext, sizeof(plaintext), stdin);
    plaintext[strcspn(plaintext, "\n")] = 0;

    printf("Enter the keyword: ");
    fgets(keyword, sizeof(keyword), stdin);
    keyword[strcspn(keyword, "\n")] = 0;

    polyalphabeticEncrypt(plaintext, keyword,
        ciphertext);

    printf("Ciphertext: %s\n", ciphertext);

    return 0;
}
```

Output

Clear

```
Enter the plaintext: cryptography
Enter the keyword: key
Ciphertext: mvwzxmqvyzlw


=== Code Execution Successful ===
```