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Caesar Cipher Implementation


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main.c

Run

```
1 #include <stdio.h>
2 #include <ctype.h>
3 #include <string.h>
4 void caesarCipher(char* str, int k) {
5     int i = 0;
6     while (str[i] != '\0') {
7         if (islower(str[i])) {
8             str[i] = (str[i] - 'a' + k) % 26 + 'a';
9         }
10        else if (isupper(str[i])) {
11            str[i] = (str[i] - 'A' + k) % 26 + 'A';
12        }
13        i++;
14    }
15 }
16 int main() {
```

Output

Clear

Enter a string to encrypt: cryptography
Enter the shift value (k): 3
Encrypted string: fubswrjudskb

=== Code Execution Successful ===

3rd party ad content

main.c

Run

Output

Clear

```

16 int main() {
17     char str[100];
18     int k;
19     printf("Enter a string to encrypt: ");
20     fgets(str, sizeof(str), stdin);
21     str[strcspn(str, "\n")] = 0;
22     printf("Enter the shift value (k): ");
23     scanf("%d", &k);
24     k = k % 26;
25     if (k < 1) {
26         k += 26;
27     }
28     caesarCipher(str, k);
29     printf("Encrypted string: %s\n", str);
30
31     return 0;
32 }
33

```

```

Enter a string to encrypt: cryptography
Enter the shift value (k): 3
Encrypted string: fubswrjudskb

```

=== Code Execution Successful ===