#include <stdio.h>

#include <ctype.h>

void encrypt(char \*text, int k) {

for (int i = 0; text[i] != '\0'; i++) {

if (isalpha(text[i])) {

char base = isupper(text[i]) ? 'A' : 'a';

text[i] = (text[i] - base + k) % 26 + base;

}

}

}

int main() {

char text[100];

int k;

printf("Enter the text to be encrypted: ");

fgets(text, sizeof(text), stdin);

printf("Enter the key (1-25): ");

scanf("%d", &k);

if (k < 1 || k > 25) {

printf("Invalid key. Please enter a key between 1 and 25.\n");

return 1;

}

encrypt(text, k);

printf("Encrypted text: %s\n", text);

return 0;

}

