Program-5 affirecipher in c

#include <stdio.h>

#include<ctype.h>

int main() {

int a, b;

printf("Enter the value for 'a' (must be coprime with 26): ");

scanf("%d", &a);

printf("Enter the value for 'b': ");

scanf("%d", &b);

char plaintext[100];

printf("Enter the plaintext: ");

scanf("%s", plaintext);

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

if (isalpha(plaintext[i])) {

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

int p = plaintext[i] - base;

int encrypt = (a \* p + b) % 26 + base;

printf("%c", encrypt);

} else {

printf("%s", plaintext[i]); }

}

printf("\n");

return 0;

}

Output:

