Monoalphabetic cisear cipher

#include <stdio.h>

#include <string.h>

#include <ctype.h>

#define pf printf

#define sf scanf

char dc[27] = "XDGSZANYOBTMJCEVFHKWPLQURI"; // 26 letters + null terminator

char ec[27] = "abcdefghijklmnopqrstuvwxyz";

void e(char\*);

void d(char\*);

int main() {

char p[100]; // Use larger buffer to handle full sentence

pf("\n\nEnter plain text: ");

fgets(p, sizeof(p), stdin);

// Remove trailing newline from fgets if exists

size\_t len = strlen(p);

if (len > 0 && p[len - 1] == '\n') {

p[len - 1] = '\0';

}

pf("\nAfter Encryption:\n-----------------\n");

e(p);

pf("%s\n", p);

pf("\nAfter Decryption:\n-----------------\n");

d(p);

pf("%s\n", p);

return 0;

}

void d(char \*p) {

int l = 0, m = 0;

while (\*(p + l) != '\0') {

if (islower(\*(p + l))) {

m = \*(p + l) - 'a';

\*(p + l) = dc[m];

}

l++;

}

}

void e(char \*p) {

int l = 0;

while (\*(p + l) != '\0') {

int i;

for (i = 0; i < 26; i++) {

if (dc[i] == \*(p + l)) {

\*(p + l) = ec[i];

break;

}

}

l++;

}

}

