**EXP3**

**Program:**

#include<stdio.h>

#include<string.h>

#include<ctype.h>

#define pf printf

#define sf scanf

char dc[50] = "XDGSZANYOBTMJCEVFHKWPLQURI";

char ec[50] = "abcdefghijklmnopqrstuvwxyz";

void e(char\*);

void d(char\*);

int main() {

char p[50]; // Change from char \*p to char p[50]

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

sf("%s", p);

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

e(p);

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

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

d(p);

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

return 0;

}

void e(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 d(char \*p) {

int l = 0;

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

int i;

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

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

break;

}

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

l++;

}

}

**Output:**

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