Program monoalphabetic in c

#include<stdio.h>

#include<string.h>

int monoencrypt(char plain[], int shift){

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

if (plain[i]>='A' && plain[i]<='Z' || plain[i]>='a' && plain[i]<='z'){

char base = (plain[i]>='A' && plain[i]<='Z')? 'A':'a';

plain[i]=(plain[i]-base + shift)% 26 + base;

}

}

return 0;

}

int main(){

char plain[100];

int shift;

printf("enter the plaintext:\n");

scanf("%s",plain);

printf("shift value:\n");

scanf("%d",&shift);

monoencrypt(plain,shift);

printf("ciphertext: %s\n",plain);

}

Output:

