Exp 1 : Caesar Cipher

Code:

<!DOCTYPE html>

What

#include <stdio.h>

void encrypt(char message[], int key) {

int i = 0;

char ch;

while (message[i] != '\0') {

ch = message[i];

if (ch >= 32 && ch <= 126) {

ch = (ch + key - 32) % 95 + 32;

}

message[i] = ch;

i++;

}

}

void decrypt(char message[], int key) {

int i = 0;

char ch;

while (message[i] != '\0') {

ch = message[i];

if (ch >= 32 && ch <= 126) {

ch = (ch - key - 32 + 95) % 95 + 32;

}

message[i] = ch;

i++;

}

}

int main() {

char message[100];

int key;

printf("Enter the message: ");

fgets(message, sizeof(message), stdin);

printf("Enter the key (0-95): ");

scanf("%d", &key);

encrypt(message, key);

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

decrypt(message, key);

printf("Decrypted message: %s\n", message);

return 0;

}

Output:

