#include "stdafx.h"

#include<iostream>

#include<string>

#include<iomanip>

#include<cmath>

#include<algorithm>

using namespace std;

int \_tmain(int argc, \_TCHAR\* argv[])

{

char p;

int x;

string message;

cout<<"ahlen ya user ya habibi\n";

cout<<"cipher:1"<<endl;

cout<<"dicipher:2"<<endl;

cin>>x;

if(x==1){

cout<<"please enter the key:"<<"\n";

cin>>p;

cout<<"please enter the message:"<<"\n";

cin>>message;

for(int i=0;i<message.size();i++){

cout<<hex<<(message[i] ^ p);

}

cout<<endl;

for(int i=0;i<message.size();i++){

cout<<char(message[i] ^ p);

}

cout<<endl;

}

else if(x==2)

{

cout<<"please enter the key:"<<endl;

cin>>p;

cout<<"please enter your message in hexa:"<<endl;

while(cin>>hex>>x){

cout<<char(x^p);

}

}

system("pause");

}