```cpp
#include<iostream>

#iclude<string>

Using namepace std;

        string ciphertext,text;
        char x[26],y[26];

x[0]='A',x[1]='B',x[2]='C',x[3]='D',x[4]='E',x[5]='F',x[6]='G'
,x[7]='H',x[8]='I',x[9]='J',x[10]='K',x[11]='L';

x[12]='M',x[13]='N',x[14]='O',x[15]='P',x[16]='Q',x[17]='R',x[
18]='S',x[19]='T',x[20]='U',x[21]='V',x[22]='W',x[23]='X',x[24
]='Y',x[25]='Z';


y[25]='A',y[24]='B',y[23]='C',y[22]='D',y[21]='E',y[20]='F',y[
19]='G',y[18]='H',y[17]='I',y[16]='J',y[15]='K',y[14]='L';

y[13]='M',y[12]='N',y[11]='O',y[10]='P',y[9]='Q',y[8]='R',y[7]
='S',y[6]='T',y[5]='U',y[4]='V',y[3]='W',y[2]='X',y[1]='Y',y[0
]='Z';

        int choice,c;
        cout<<"Ahlan Ya User Ya Habibi "<<"\n";
        cout<<"what do you like to do today ?!"<<"\n";
        cout<<"1-Cipher a message"<<"\n";
        cout<<"2-Decipher a message"<<"\n";
        cout<<"3-End"<<"\n";
        cin>>choice;

        if (choice==1)
        {

            cout<<"enter the plain text : ";
            cin.ignore();
            getline(cin,text);
            cout<<endl;
            for (int j=0; j<text.size(); j++)
            {
                text[j]=char(toupper(text[j]));
                for (int i=0; i<26; i++)
                {
                    if (text[j]==x[i])
                    {
                        ciphertext+=y[i];
                    }
                }
                if (text[j]==' ')
                {
                    ciphertext+=' ';
                }
            }
            cout<<ciphertext;
        }
```

```cpp
else if (choice==2)
{
    cout<<"enter the cipher text : ";
    cin.ignore();
    getline(cin,ciphertext);
    cout<<endl;
    for (int j=0; j<ciphertext.size(); j++)
    {
        ciphertext[j]=char(toupper(ciphertext[j]));
        for (int i=0; i<26; i++)
        {
            if (ciphertext[j]==y[i])
            {
                text+=x[i];
            }
        }
        if (ciphertext[j]==' ')
        {
            text+=' ';
        }
    }
     cout<<text;
}
else {
    cout<<"_____END_____"<<"\a";
}
```