

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6 using System.Data;
7 using System.Data.OleDb;
8 using System.Security.Cryptography;
9
10 namespace DAL
11 {
12     public static class userFunction
13     {
14         public static void AddUser(string username, string password)
15         {
16             string com = "insert into [users] ([username],[password],[isAdmin])
17                 VALUES ('" + username+"', '"+ AesCryp.encrypt(password)+"', 'n')";
18             OleDbHelper.Execute(com);
19         }
20         public static bool isAdmin(string username)
21         {
22             string com = "SELECT [isAdmin] FROM [users] where [username] = '" +
23                 username + "'";
24             DataTable dt = OleDbHelper.GetTable(com);
25             if (dt.Rows[0].ItemArray[0].ToString() == "y")
26                 return true;
27             return false;
28         }
29         public static void toggleAdmin(string username)
30         {
31             string com = "SELECT [isAdmin] FROM [users] where [username] = '" +
32                 username + "'";
33             DataTable dt = OleDbHelper.GetTable(com);
34             if (dt.Rows[0].ItemArray[0].ToString() == "y")
35             {
36                 string com2 = $"update [users] set [isAdmin]='n' where [username]
37                     =' {username}'";
38                 OleDbHelper.Execute(com2);
39             }
40             else
41             {
42                 string com2 = $"update [users] set [isAdmin]='y' where [username]
43                     =' {username}'";
44                 OleDbHelper.Execute(com2);
45             }
46         }
47         public static bool checkPassword(string username, string password)
48         {
49             string com = "SELECT [password] FROM [users] where [username] =
50                 '" + username + "'";
51             DataTable dt = OleDbHelper.GetTable(com);
52             string pass = dt.Rows[0].ItemArray[0].ToString();
53         }
54     }
55 }
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47         if (AesCryp.Decrypt(pass) == password)
48             return true;
49         return false;
50     }
51     public static bool isUsername(string username)
52     {
53         string com = "SELECT * FROM [users] where [username] = '"+username
54             +"'";
55         DataTable dt = oledbhelper.GetTable(com);
56         if (dt.Rows.Count == 0)
57             return false;
58         else
59             return true;
60     }
61     public static void UpdatePassword(string username, string password)
62     {
63         string com = $"update [users] set [password]='{password}' where
64             [username]='{username}'";
65         oledbhelper.Execute(com);
66     }
67     public static void Deleteuser(string username)
68     {
69         string com = $"DELETE FROM [users] WHERE [username] = '{username}'";
70         oledbhelper.Execute(com);
71     }
72     public static string GetUsers()
73     {
74         string sql = "Select * from [users]";
75         return oledbhelper.printDataTable(sql);
76     }
77 }
78
```