

```
1 using System;
2 using System.Data.SqlClient;
3
4 namespace HotSpot.Modules
5 {
6     public class Sql
7     {
8         private static readonly string AuthenticationTable = @"Server=localhost
9             \SQLEXPRESS;Database=SmokeScreen;Trusted_Connection=true";
10
11         public static bool AddAccount(string username, string password)
12         {
13             string sql = $"INSERT INTO Auth_Users (Username, Password) VALUES
14                 (@username, @password);";
15             bool truth = false;
16
17             using (SqlConnection authTable = new SqlConnection
18                 (AuthenticationTable))
19             {
20                 using (SqlCommand command = new SqlCommand(sql, authTable))
21                 {
22                     command.Connection.Open();
23                     command.Parameters.AddWithValue("@username", username);
24                     command.Parameters.AddWithValue("@password", password);
25
26                     if (command.ExecuteNonQuery() != 0)
27                     {
28                         truth = true;
29                     }
30                 }
31             }
32             return truth;
33         }
34
35         public static bool IsUsername(string username)
36         {
37             string sql = $"SELECT Count(*) FROM Auth_Users WHERE username =
38                 @username;";
39             bool truth = false;
40
41             using (SqlConnection authTable = new SqlConnection
42                 (AuthenticationTable))
43             {
44                 using (SqlCommand command = new SqlCommand(sql, authTable))
45                 {
46                     command.Connection.Open();
47                     command.Parameters.AddWithValue("@username", username);
48                     if ((int)command.ExecuteScalar() == 1)
49                     {
50                         truth = true;
51                     }
52                 }
53             }
54         }
55     }
56 }
```

```
48         }
49     }
50     return truth;
51 }
52
53 public static bool IsPassword(string username, string password)
54 {
55     string sql = $"SELECT Count(*) FROM Auth_Users WHERE username = @username and password = @password;";
56     bool truth = false;
57
58     using (SqlConnection authTable = new SqlConnection
59         (AuthenticationTable))
60     {
61         using (SqlCommand command = new SqlCommand(sql, authTable))
62         {
63             command.Connection.Open();
64             command.Parameters.AddWithValue("@username", username);
65             command.Parameters.AddWithValue("@password", password);
66
67             if ((int)command.ExecuteScalar() == 1)
68             {
69                 truth = true;
70             }
71         }
72     }
73     return truth;
74 }
75
76 }
77 }
78
```