

Object Explorer

Connect

DESKTOP-SPIBIG4 (SQL Server 16.0.1000.6 - DE)

- Databases
 - System Databases
 - Database Snapshots
 - demoPractice
 - pac and voc
 - pipi**
 - Database Diagrams
- Tables
 - System Tables
 - FileTables
 - External Tables
 - Graph Tables
 - dbo.register**

SQLQuery1.sql - DE...IBIG4\Student (72))*

```
select * from register
```

110 %

Results Messages

	id_user	login_user	password_user
1	1	student	123
2	2	123	123

```
Class1.cs  Program.cs  Form1.cs  Form2.cs
C# Practice Practice.Class1 sqlConnection

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.SqlClient;
7
8  namespace Practice
9  {
10     Ссылка: 6
11     internal class Class1
12     {
13         SqlConnection sqlConnection = new SqlConnection(@"Data Source = DESKTOP-SPIBIG4;Initial Catalog = pipi;Integrated Security = True");
14
15         Ссылка: 1
16         public void openConnection()
17         {
18             if (sqlConnection.State == System.Data.ConnectionState.Closed) { sqlConnection.Open(); }
19         }
20
21         Ссылка: 1
22         public void closeConnection()
23         {
24             if (sqlConnection.State == System.Data.ConnectionState.Open) { sqlConnection.Close(); }
25         }
26
27         Ссылка: 2
28         public SqlConnection getConnection()
29         {
30             return sqlConnection;
31         }
32     }
33 }
```

```
Class1.cs 4 Program.cs X Form1.cs Form2.cs
C# Practice Practice.Program
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Threading.Tasks;
5 using System.Windows.Forms;
6
7 namespace Practice
8 {
9     Ссылка 0
10    internal static class Program
11    {
12        Ссылка 0
13        /// <summary>
14        /// Главная точка входа для приложения.
15        /// </summary>
16        [STAThread]
17        Ссылка 0
18        static void Main()
19        {
20            Application.EnableVisualStyles();
21            Application.SetCompatibleTextRenderingDefault(false);
22            Application.Run(new Form2());
23        }
24    }
25 }
```

```
Class1.cs  Program.cs  Form1.cs  Form2.cs
Practice
1  using System;
2  using System.Collections.Generic;
3  using System.ComponentModel;
4  using System.Data;
5  using System.Data.SqlClient;
6  using System.Drawing;
7  using System.Linq;
8  using System.Text;
9  using System.Threading.Tasks;
10 using System.Windows.Forms;
11
12 namespace Practice
13 {
14     public partial class Form1 : Form
15     {
16         Class1 database = new Class1();
17         public Form1()
18         {
19             InitializeComponent();
20         }
21
22         private void Form1_Load(object sender, EventArgs e)
23         {
24         }
25     }
}
```

```
27     private void button1_Click(object sender, EventArgs e)
28     {
29         Class1 database = new Class1();
30
31         var login = textBox1.Text;
32         var password = textBox2.Text;
33
34         string querystring = $"insert into register(login_user, password_user) values('{login}', '{password}')";
35
36         SqlCommand command = new SqlCommand(querystring, database.getConnection());
37
38         database.openConnection();
39
40         if (command.ExecuteNonQuery() == 1)
41         {
42             MessageBox.Show("Аккаунт успешно создан!", "Успех!");
43             Form2 ftm_login = new Form2();
44             this.Hide();
45             ftm_login.ShowDialog();
46         }
47         else
48         {
49             MessageBox.Show("Аккаунт не создан!");
50         }
51         database.closeConnection();
52     }
53 }
```

```
using System;using System.Collections.Generic;
using System.ComponentModel;using System.Data;
using System.Data.SqlClient;using System.Drawing;
using System.Linq;using System.Text;
using System.Threading.Tasks;using System.Windows.Forms;
```

namespace Practice

```
{ public partial class Form1 : Form
{   Class1 database = new Class1();
    public Form1()   {
        InitializeComponent();

        private void Form1_Load(object sender, EventArgs e)
        {
        }

        private void button1_Click(object sender, EventArgs e)   {
            Class1 database = new Class1();
            var login = textBox1.Text;      var password = textBox2.Text;
            string querystring = $"insert into register(login_user, password_user) values('{login}', '{password}')";
            SqlCommand command = new SqlCommand(querystring, database.getConnection());
            database.openConnection();
            if (command.ExecuteNonQuery() == 1)
            {
                MessageBox.Show("Аккаунт успешно создан!", "Успех!");
                Form2 ftm_login = new Form2();      this.Hide();
                ftm_login.ShowDialog();      }
            else      {
                MessageBox.Show("Аккаунт не создан!");      }
            database.closeConnection();
        }
}
```

```
Class1.cs Program.cs Form1.cs Form2.cs Practice
Practice
1 using System;
2 using System.Collections.Generic;
3 using System.ComponentModel;
4 using System.Data;
5 using System.Data.SqlClient;
6 using System.Drawing;
7 using System.Linq;
8 using System.Text;
9 using System.Threading.Tasks;
10 using System.Windows.Forms;
11
12 namespace Practice
13 {
14     Ссылка 5
15     public partial class Form2 : Form
16     {
17         Class1 database = new Class1();
18         Ссылка 2
19         public Form2()
20         {
21             InitializeComponent();
22         }
23
24         Ссылка 1
25         private void Form2_Load(object sender, EventArgs e)
26         {
27             textBox2.PasswordChar = '*';
28             textBox1.MaxLength = 50;
29             textBox2.MaxLength = 50;
30         }
31     }
32 }
```

```
Class1.cs Program.cs Form1.cs Form2.cs Practice
Practice
55
56 Ссылка 1
57 private void label3_Click(object sender, EventArgs e)
58 {
59     Form1 frm_sing = new Form1();
60     frm_sing.Show();
61     this.Hide();
62 }
63
64
```

Можно и кнопку

```
29 Ссылка 1
30 private void button1_Click(object sender, EventArgs e)
31 {
32     var loginUser = textBox1.Text;
33     var passUser = textBox2.Text;
34
35     SqlDataAdapter adapter = new SqlDataAdapter();
36     DataTable table = new DataTable();
37
38     string querystring = $"select id_user,login_user,password_user from register where login_user = '{loginUser}' and password_user = '{passUser}'";
39
40     SqlCommand command = new SqlCommand(querystring, database.getConnection());
41
42     adapter.SelectCommand = command;
43     adapter.Fill(table);
44
45     if (table.Rows.Count == 1)
46     {
47         MessageBox.Show("Вы успешно вошли!", "Успешно!", MessageBoxButtons.OK, MessageBoxIcon.Information);
48         Form1 frm1 = new Form1();
49         this.Hide();
50         frm1.ShowDialog();
51         this.Show();
52     }
53     else
54     {
55         MessageBox.Show("Такого аккаунта не существует!", "Аккаунта не существует!", MessageBoxButtons.OK, MessageBoxIcon.Warning);
56     }
57 }
```

```
using System;using System.Collections.Generic;
using System.ComponentModel;using System.Data;
using System.Data.SqlClient;using System.Drawing;
using System.Linq;using System.Text;
using System.Threading.Tasks;using System.Windows.Forms;
```

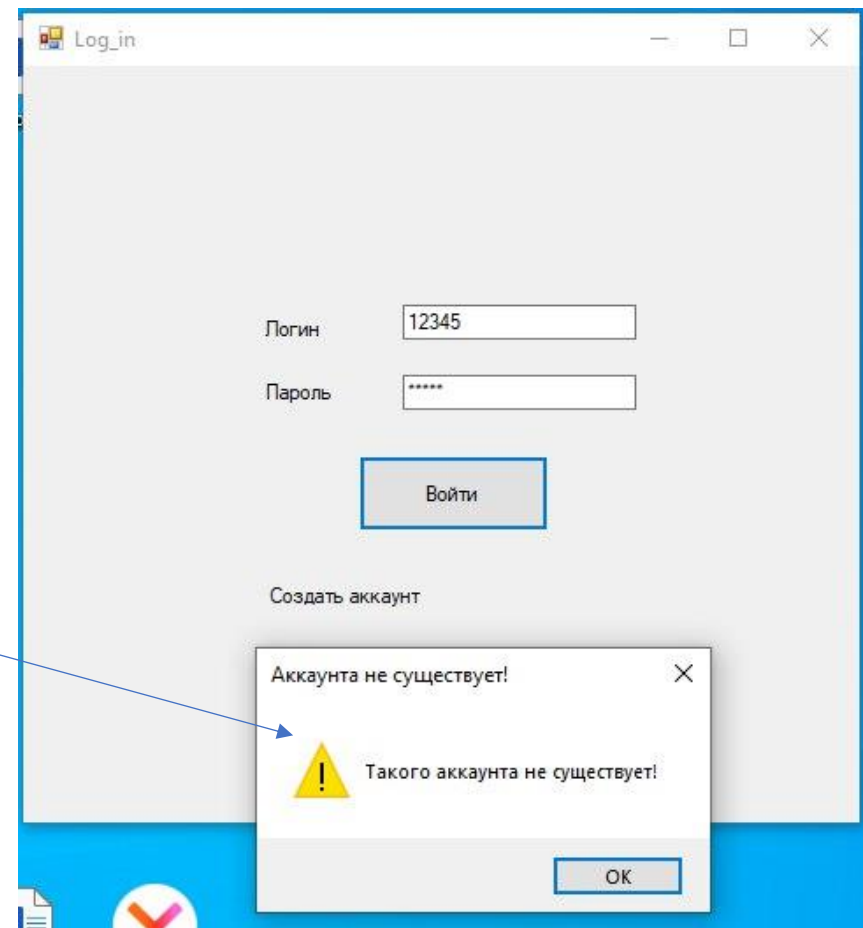
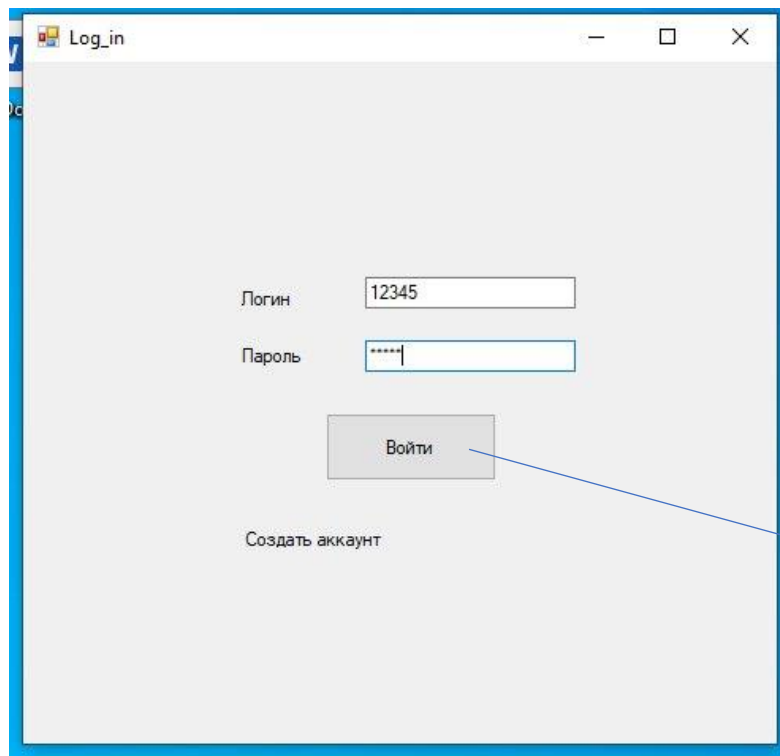
```
namespace Practice
```

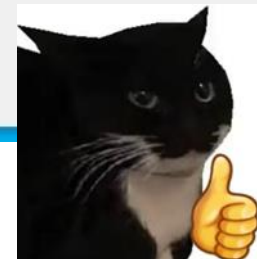
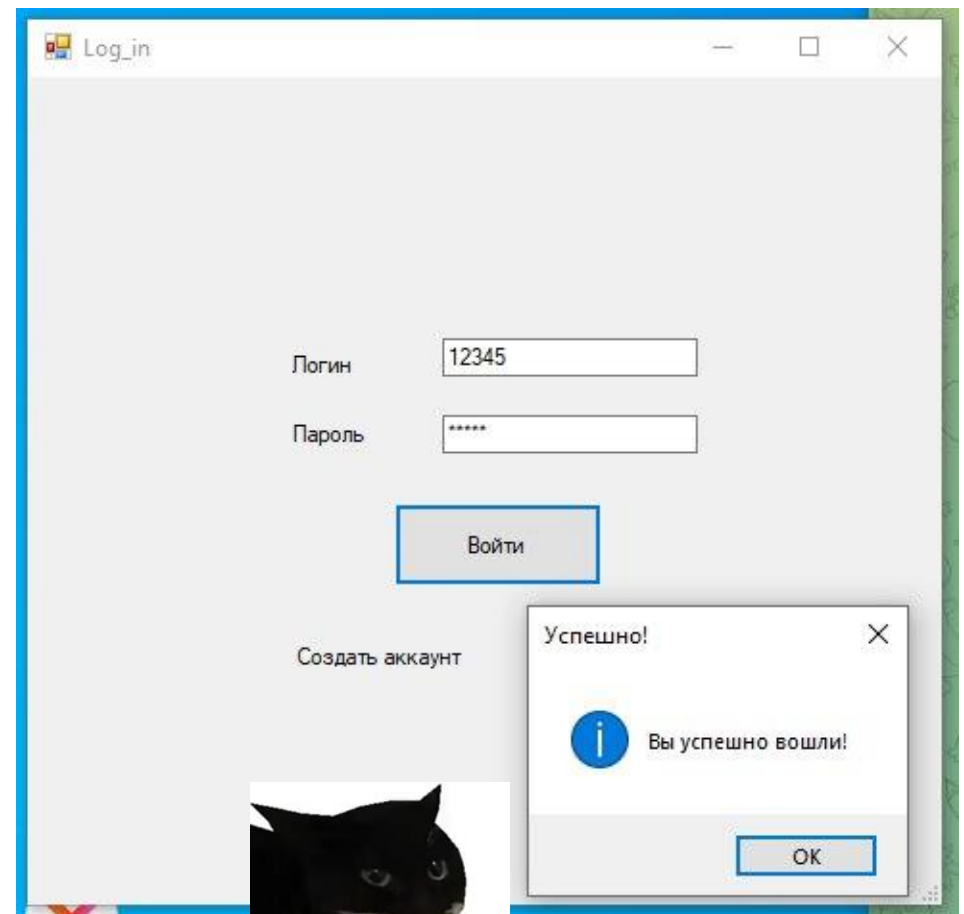
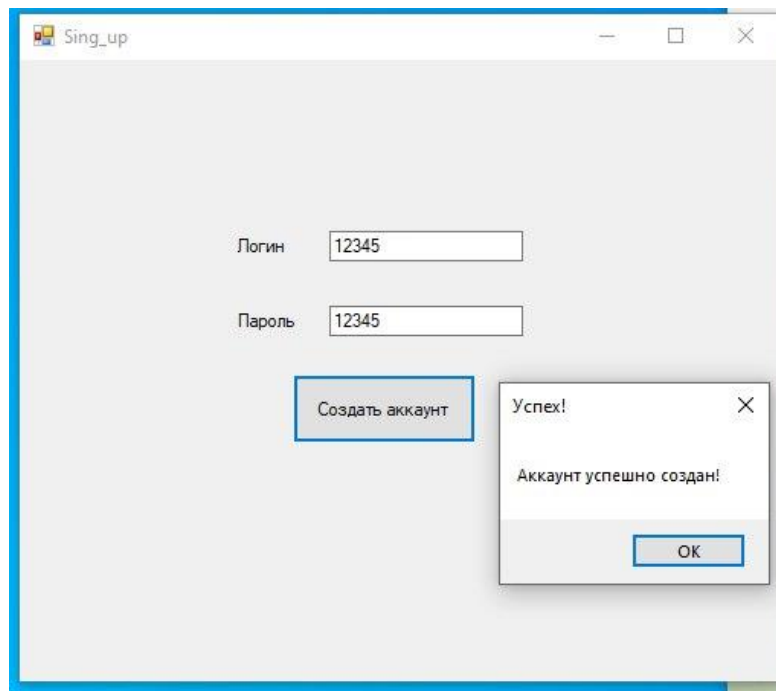
```
{ public partial class Form2 : Form
{   Class1 database = new Class1();
    public Form2()   {
        InitializeComponent();   }

    private void Form2_Load(object sender, EventArgs e)
    {   textBox2.PasswordChar = '*';
        textBox1.MaxLength = 50;   textBox2.MaxLength = 50;
    }

    private void button1_Click(object sender, EventArgs e)   {
        var loginUser = textBox1.Text;   var passUser = textBox2.Text;
        SqlDataAdapter adapter = new SqlDataAdapter();
        DataTable table = new DataTable();
        string querystring = $"select id_user,login_user,password_user from register where login_user = '{loginUser}' and password_user = '{passUser}'";
        SqlCommand command = new SqlCommand(querystring, database.getConnection());
        adapter.SelectCommand = command;   adapter.Fill(table);
        if (table.Rows.Count == 1)
        {   MessageBox.Show("Вы успешно вошли!", "Успешно!", MessageBoxButtons.OK, MessageBoxIcon.Information);
            Form1 frm1 = new Form1();   this.Hide();
            frm1.ShowDialog();   this.Show();
        }   else
            MessageBox.Show("Такого аккаунта не существует!", "Аккаунта не существует!", MessageBoxButtons.OK, MessageBoxIcon.Warning);   }

    private void label3_Click(object sender, EventArgs e)
    {   Form1 frm_sing = new Form1();
        frm_sing.Show();   this.Hide();
    } }
}
```





The screenshot shows the SQL Server Enterprise Manager interface on the left and a SQL Query window on the right. In the Enterprise Manager, the 'Databases' folder is expanded, showing 'demoPractice', 'pac and voc', and 'papi'. The 'Tables' folder under 'papi' is expanded, showing 'System Tables', 'FileTables', 'External Tables', 'Graph Tables', and 'dbo.register'. The SQL Query window displays the query: `select * from register`. The query results are shown in a table with columns 'id_user', 'login_user', and 'password_user'. The results are:

	id_user	login_user	password_user
1	1	student	123
2	2	123	123
3	3	12345	12345

