

DataBase.cs

```
using System.Data.SqlClient;

namespace Formsy
{
    internal class DataBase
    {
        SqlConnection sqlConnection = new SqlConnection(@"Data
Source=(localdb)\Local;Initial Catalog=Praktika;Integrated Security=True");

        public void openConnection()
        {
            if (sqlConnection.State == System.Data.ConnectionState.Closed) {
sqlConnection.Open(); }
        }

        public void closeConnection()
        {
            if (sqlConnection.State == System.Data.ConnectionState.Open) {
sqlConnection.Close(); }
        }

        public SqlConnection getConnection() { return sqlConnection; }
    }
}
```

Register.cs

```
using System;
using System.Data;
using System.Data.SqlClient;
using System.Windows.Forms;

namespace Formsy
{
    public partial class Registration : Form
    {
        public Registration()
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            DataBase database = new DataBase();

            var login = textBox1.Text;
            var password = textBox2.Text;

            if (!userExists(login, password))
            {
                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!");
                }
            }
        }
    }
}
```

```

        Form1 form1 = new Form1();
        form1.ShowDialog();
        this.Hide();
    }
    else
    {
        MessageBox.Show("Аккаунт не создан!", "Ошибка!");
    }
    database.closeConnection();
}

private Boolean userExists(string login, string password)
{
    DataBase database = new DataBase();
    SqlDataAdapter adapter = new SqlDataAdapter();
    DataTable table = new DataTable();

    string queryString = $"select id_user, login_user from register where login_user = '{login}'";

    SqlCommand command = new SqlCommand(queryString, database.getConnection());

    adapter.SelectCommand = command;
    adapter.Fill(table);

    if (table.Rows.Count > 0)
    {
        MessageBox.Show("Аккаунт уже существует!");
        return true;
    }

    return false;
}

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

private void button2_Click(object sender, EventArgs e)
{
    Form1 form1 = new Form1();
    form1.ShowDialog();
    this.Hide();
}
}
}

```

Login.cs

```

using System;
using System.Data;
using System.Data.SqlClient;
using System.Windows.Forms;

namespace Formsy
{
    public partial class Login : Form
    {

```

```

DataBase database = new DataBase();
public Login()
{
    InitializeComponent();
}

private void Login_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 form1 = new Form1();
        form1.ShowDialog();
        this.Hide();
    } else
    {
        MessageBox.Show("Такого аккаунта не существует!", "Ошибка!",
MessageBoxButtons.OK, MessageBoxIcon.Warning);
    }
}

private void button2_Click(object sender, EventArgs e)
{
    Form1 form1 = new Form1();
    form1.ShowDialog();
    this.Hide();
}
}
}

```

Регистрация

Логин user

Пароль *****

Зарегистрироваться

← Назад

Регистрация

Логин user

Пароль *****

Зарегистрироваться

← Назад

Успех!

Аккаунт успешно создан!

ОК

	id_user	login_user	password_user
1	1	student	123
2	2	refenger	nikita12
3	3	refenger	ddd
4	4	user	fffff

Логин

Логин user

Пароль *****

Войти

← Назад

Успешно!

Вы успешно вошли!

ОК

если пасхалка заключается в том что базу еще подключать нужно то мы ее нашли