

```

using System;
using System.Collections.Generic;
using System.Data.SqlClient;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace TestPracrice
{
    class DataBase
    {
        SqlConnection sqlConnection = new SqlConnection(@"Data Source=LAPTOP-
N17DF740\SQLEXPRESS; Initial Catalog=demoPractic;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; }
    }
}

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

namespace TestPracrice
{
    public partial class Form2 : Form
    {
        DataBase dataBase = new DataBase();
        public Form2()
        {
            InitializeComponent();
            StartPosition = FormStartPosition.CenterScreen;
        }

        private void btnCreate_Click(object sender, EventArgs e)
        {
            if (checkUser())
            {
                return;
            }
        }
    }
}

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        var login = textBox_login2.Text;
        var password = textBox_password2.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!");
            Form3 frm_login = new Form3();
            frm_login.ShowDialog();
            this.Hide();
        }
        else
        {
            MessageBox.Show("Аккаунт не создан!");
        }
        dataBase.closeConnection();
    }

    private Boolean checkUser()
    {
        var LoginUser = textBox_login2.Text;
        var passUser = textBox_password2.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 > 0)
        {
            MessageBox.Show("Пользователь уже существует!");
            return true;
        }

        else
        {
            return false;
        }
    }
}

```

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using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Data.SqlClient;
using System.Drawing;

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```

using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace TestPracrice
{
    public partial class Form3 : Form
    {
        DataBase dataBase = new DataBase();

        public Form3()
        {
            InitializeComponent();
            StartPosition = FormStartPosition.CenterScreen;
        }

        private void Form3_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 label1_Click(object sender, EventArgs e)
        {
            Form2 frm_sign = new Form2();
            frm_sign.Show();
            this.Hide();
        }
    }
}

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}  
}
```

