**МИНИСТЕРСТВО ОБРАЗОВАНИЯ И НАУКИ РОССИЙСКОЙ ФЕДЕРАЦИИ  
ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ АВТОНОМНОЕ ОБРАЗОВАТЕЛЬНОЕ УЧРЕЖДЕНИЕ  
ВЫСШЕГО ПРОФЕССИОНАЛЬНОГО ОБРАЗОВАНИЯ**

**«ЮЖНЫЙ ФЕДЕРАЛЬНЫЙ УНИВЕРСИТЕТ»  
ИНЖИНЕРНО-ТЕХНОЛОГИЧЕСКАЯ АКАДЕМИЯ**

**Институт компьютерных технологий и информационной безопасности**

**Кафедра Информационно-аналитических систем безопасности**

**Отчёт по лабораторной работе №3**по курсу «Объектно-ориентированное программирование»

Выполнил:  
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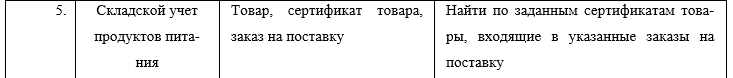
Проверил:  
Профессор, д. т. н. ИКТИБ  
Беляков С. Л.

**Вариант №5**

**Цель работы:**

Используя среду разработки MS VS, создать приложение, с помощью которого можно модифицировать данные в базе данных.

**Вариант индивидуального задания:**

****

**Программный код после отладки**

MyForm.h:

#pragma once

#include "AddingForm.h"

#include "EditingForm.h"

#include "DeletingForm.h"

namespace LabV3 {

using namespace System;

using namespace System::ComponentModel;

using namespace System::Collections;

using namespace System::Windows::Forms;

using namespace System::Data;

using namespace System::Drawing;

using namespace System::Data::OleDb;

/// <summary>

/// Сводка для MyForm

/// </summary>

public ref class MyForm : public System::Windows::Forms::Form

{

public:

AddingForm^ addForm;

DeletingForm^ deleteForm;

EditingForm^ editForm;

String^ connectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:/Users/Ivan/source/repos/Lab\_V3/Lab\_V3/myDataBase.accdb";

OleDbConnection^ dbConnection = gcnew OleDbConnection(connectionString);

private: System::Windows::Forms::Button^ button1;

public:

private: System::Windows::Forms::Button^ button2;

private: System::Windows::Forms::Button^ button3;

private: System::Windows::Forms::Button^ button4;

private: System::Windows::Forms::DataGridViewTextBoxColumn^ Column1;

private: System::Windows::Forms::DataGridViewTextBoxColumn^ Column2;

private: System::Windows::Forms::DataGridViewTextBoxColumn^ Column3;

private: System::Windows::Forms::DataGridViewTextBoxColumn^ Column4;

public:

MyForm(void)

{

InitializeComponent();

//

//TODO: добавьте код конструктора

//

}

protected:

/// <summary>

/// Освободить все используемые ресурсы.

/// </summary>

~MyForm()

{

if (components)

{

delete components;

}

}

private: System::Windows::Forms::DataGridView^ dataGridView1;

protected:

private:

/// <summary>

/// Обязательная переменная конструктора.

/// </summary>

System::ComponentModel::Container ^components;

#pragma region Windows Form Designer generated code

/// <summary>

/// Требуемый метод для поддержки конструктора — не изменяйте

/// содержимое этого метода с помощью редактора кода.

/// </summary>

void InitializeComponent(void)

{

this->dataGridView1 = (gcnew System::Windows::Forms::DataGridView());

this->Column1 = (gcnew System::Windows::Forms::DataGridViewTextBoxColumn());

this->Column2 = (gcnew System::Windows::Forms::DataGridViewTextBoxColumn());

this->Column3 = (gcnew System::Windows::Forms::DataGridViewTextBoxColumn());

this->Column4 = (gcnew System::Windows::Forms::DataGridViewTextBoxColumn());

this->button1 = (gcnew System::Windows::Forms::Button());

this->button2 = (gcnew System::Windows::Forms::Button());

this->button3 = (gcnew System::Windows::Forms::Button());

this->button4 = (gcnew System::Windows::Forms::Button());

(cli::safe\_cast<System::ComponentModel::ISupportInitialize^>(this->dataGridView1))->BeginInit();

this->SuspendLayout();

//

// dataGridView1

//

this->dataGridView1->ColumnHeadersHeightSizeMode = System::Windows::Forms::DataGridViewColumnHeadersHeightSizeMode::AutoSize;

this->dataGridView1->Columns->AddRange(gcnew cli::array< System::Windows::Forms::DataGridViewColumn^ >(4) {

this->Column1,

this->Column2, this->Column3, this->Column4

});

this->dataGridView1->Location = System::Drawing::Point(191, 12);

this->dataGridView1->Name = L"dataGridView1";

this->dataGridView1->RowHeadersWidth = 51;

this->dataGridView1->Size = System::Drawing::Size(672, 449);

this->dataGridView1->TabIndex = 0;

//

// Column1

//

this->Column1->HeaderText = L"Номер заказа";

this->Column1->MinimumWidth = 6;

this->Column1->Name = L"Column1";

this->Column1->Width = 125;

//

// Column2

//

this->Column2->HeaderText = L"Номер сертификата";

this->Column2->MinimumWidth = 6;

this->Column2->Name = L"Column2";

this->Column2->Width = 125;

//

// Column3

//

this->Column3->HeaderText = L"Количество";

this->Column3->MinimumWidth = 6;

this->Column3->Name = L"Column3";

this->Column3->Width = 125;

//

// Column4

//

this->Column4->HeaderText = L"Адрес поставки";

this->Column4->MinimumWidth = 6;

this->Column4->Name = L"Column4";

this->Column4->Width = 125;

//

// button1

//

this->button1->Location = System::Drawing::Point(12, 12);

this->button1->Name = L"button1";

this->button1->Size = System::Drawing::Size(173, 62);

this->button1->TabIndex = 1;

this->button1->Text = L"Посмотреть книгу заказов";

this->button1->UseVisualStyleBackColor = true;

this->button1->Click += gcnew System::EventHandler(this, &MyForm::button1\_Click);

//

// button2

//

this->button2->Location = System::Drawing::Point(44, 118);

this->button2->Name = L"button2";

this->button2->Size = System::Drawing::Size(105, 29);

this->button2->TabIndex = 2;

this->button2->Text = L"Добавить";

this->button2->UseVisualStyleBackColor = true;

this->button2->Click += gcnew System::EventHandler(this, &MyForm::button2\_Click);

//

// button3

//

this->button3->Location = System::Drawing::Point(44, 198);

this->button3->Name = L"button3";

this->button3->Size = System::Drawing::Size(105, 29);

this->button3->TabIndex = 3;

this->button3->Text = L"Изменить";

this->button3->UseVisualStyleBackColor = true;

this->button3->Click += gcnew System::EventHandler(this, &MyForm::button3\_Click);

//

// button4

//

this->button4->Location = System::Drawing::Point(44, 288);

this->button4->Name = L"button4";

this->button4->Size = System::Drawing::Size(105, 29);

this->button4->TabIndex = 4;

this->button4->Text = L"Удалить";

this->button4->UseVisualStyleBackColor = true;

this->button4->Click += gcnew System::EventHandler(this, &MyForm::button4\_Click);

//

// MyForm

//

this->AutoScaleDimensions = System::Drawing::SizeF(8, 16);

this->AutoScaleMode = System::Windows::Forms::AutoScaleMode::Font;

this->ClientSize = System::Drawing::Size(870, 473);

this->Controls->Add(this->button4);

this->Controls->Add(this->button3);

this->Controls->Add(this->button2);

this->Controls->Add(this->button1);

this->Controls->Add(this->dataGridView1);

this->Name = L"MyForm";

this->Text = L"MyForm";

(cli::safe\_cast<System::ComponentModel::ISupportInitialize^>(this->dataGridView1))->EndInit();

this->ResumeLayout(false);

}

#pragma endregion

private: System::Void button1\_Click(System::Object^ sender, System::EventArgs^ e) {

this->dataGridView1->Rows->Clear();

String^ query = "SELECT \* FROM [Книга заказов]";

dbConnection->Open();

OleDbCommand^ dbCommand = gcnew OleDbCommand(query, dbConnection);

OleDbDataReader^ dbReader = dbCommand->ExecuteReader();

if (dbReader->HasRows == true)

{

while (dbReader->Read())

{

this->dataGridView1->Rows->Add(dbReader["Номер заказа"], dbReader["Номер сертификата"], dbReader["Количество"], dbReader["Адрес поставки"]);

}

}

else

{

MessageBox::Show("Error!");

}

dbReader->Close();

dbConnection->Close();

}

private: System::Void button2\_Click(System::Object^ sender, System::EventArgs^ e) {

addForm = gcnew AddingForm();

addForm->Show();

}

private: System::Void button3\_Click(System::Object^ sender, System::EventArgs^ e) {

editForm = gcnew EditingForm();

editForm->Show();

}

private: System::Void button4\_Click(System::Object^ sender, System::EventArgs^ e) {

deleteForm = gcnew DeletingForm();

deleteForm->Show();

}

};

}

MyForm.cpp:

#include "MyForm.h"

using namespace System;

using namespace System::Windows::Forms;

[STAThread]

void main() {

Application::EnableVisualStyles();

Application::SetCompatibleTextRenderingDefault(false);

LabV3::MyForm form;

Application::Run(% form);

}

AddingForm.h:

#pragma once

namespace LabV3 {

using namespace System;

using namespace System::ComponentModel;

using namespace System::Collections;

using namespace System::Windows::Forms;

using namespace System::Data;

using namespace System::Drawing;

using namespace System::Data::OleDb;

/// <summary>

/// Сводка для AddingForm

/// </summary>

public ref class AddingForm : public System::Windows::Forms::Form

{

public:

String^ connectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:/Users/Ivan/source/repos/Lab\_V3/Lab\_V3/myDataBase.accdb";

OleDbConnection^ dbConnection = gcnew OleDbConnection(connectionString);

public:

AddingForm(void)

{

InitializeComponent();

//

//TODO: добавьте код конструктора

//

}

protected:

/// <summary>

/// Освободить все используемые ресурсы.

/// </summary>

~AddingForm()

{

if (components)

{

delete components;

}

}

private: System::Windows::Forms::Label^ label1;

protected:

private: System::Windows::Forms::TextBox^ textBox1;

private: System::Windows::Forms::Button^ button1;

private: System::Windows::Forms::Label^ label2;

private: System::Windows::Forms::Label^ label3;

private: System::Windows::Forms::TextBox^ textBox2;

private: System::Windows::Forms::TextBox^ textBox3;

private:

/// <summary>

/// Обязательная переменная конструктора.

/// </summary>

System::ComponentModel::Container ^components;

#pragma region Windows Form Designer generated code

/// <summary>

/// Требуемый метод для поддержки конструктора — не изменяйте

/// содержимое этого метода с помощью редактора кода.

/// </summary>

void InitializeComponent(void)

{

this->label1 = (gcnew System::Windows::Forms::Label());

this->textBox1 = (gcnew System::Windows::Forms::TextBox());

this->button1 = (gcnew System::Windows::Forms::Button());

this->label2 = (gcnew System::Windows::Forms::Label());

this->label3 = (gcnew System::Windows::Forms::Label());

this->textBox2 = (gcnew System::Windows::Forms::TextBox());

this->textBox3 = (gcnew System::Windows::Forms::TextBox());

this->SuspendLayout();

//

// label1

//

this->label1->AutoSize = true;

this->label1->Location = System::Drawing::Point(12, 9);

this->label1->Name = L"label1";

this->label1->Size = System::Drawing::Size(199, 17);

this->label1->TabIndex = 0;

this->label1->Text = L"Введите номер сертификата";

//

// textBox1

//

this->textBox1->Location = System::Drawing::Point(12, 29);

this->textBox1->Name = L"textBox1";

this->textBox1->Size = System::Drawing::Size(200, 22);

this->textBox1->TabIndex = 1;

//

// button1

//

this->button1->Location = System::Drawing::Point(262, 105);

this->button1->Name = L"button1";

this->button1->Size = System::Drawing::Size(134, 36);

this->button1->TabIndex = 2;

this->button1->Text = L"Редактировать";

this->button1->UseVisualStyleBackColor = true;

this->button1->Click += gcnew System::EventHandler(this, &AddingForm::button1\_Click);

//

// label2

//

this->label2->AutoSize = true;

this->label2->Location = System::Drawing::Point(13, 54);

this->label2->Name = L"label2";

this->label2->Size = System::Drawing::Size(143, 17);

this->label2->TabIndex = 3;

this->label2->Text = L"Введите количество";

//

// label3

//

this->label3->AutoSize = true;

this->label3->Location = System::Drawing::Point(9, 99);

this->label3->Name = L"label3";

this->label3->Size = System::Drawing::Size(170, 17);

this->label3->TabIndex = 4;

this->label3->Text = L"Введите адрес поставки";

//

// textBox2

//

this->textBox2->Location = System::Drawing::Point(12, 74);

this->textBox2->Name = L"textBox2";

this->textBox2->Size = System::Drawing::Size(200, 22);

this->textBox2->TabIndex = 7;

//

// textBox3

//

this->textBox3->Location = System::Drawing::Point(12, 119);

this->textBox3->Name = L"textBox3";

this->textBox3->Size = System::Drawing::Size(200, 22);

this->textBox3->TabIndex = 8;

//

// AddingForm

//

this->AutoScaleDimensions = System::Drawing::SizeF(8, 16);

this->AutoScaleMode = System::Windows::Forms::AutoScaleMode::Font;

this->ClientSize = System::Drawing::Size(408, 154);

this->Controls->Add(this->textBox3);

this->Controls->Add(this->textBox2);

this->Controls->Add(this->label3);

this->Controls->Add(this->label2);

this->Controls->Add(this->button1);

this->Controls->Add(this->textBox1);

this->Controls->Add(this->label1);

this->Name = L"AddingForm";

this->Text = L"AddingForm";

this->ResumeLayout(false);

this->PerformLayout();

}

#pragma endregion

private: System::Void button1\_Click(System::Object^ sender, System::EventArgs^ e) {

if (this->textBox1->Text != "" && this->textBox2->Text != "" && this->textBox3->Text != "")

{

int certNum = Convert::ToInt32(this->textBox1->Text);

int quantity = Convert::ToInt32(this->textBox2->Text);

String^ address = this->textBox3->Text;

String^ query = "INSERT INTO [Книга заказов] ([Номер сертификата], [Количество], [Адрес поставки]) VALUES (" + certNum + "," + quantity + ", \'" + address + "\')";

dbConnection->Open();

OleDbCommand^ dbCommand = gcnew OleDbCommand(query, dbConnection);

dbCommand->ExecuteNonQuery();

MessageBox::Show("Заказ успешно добавлен!");

dbConnection->Close();

}

else

{

MessageBox::Show("Для добавления заказа введите все данные.");

}

}

};

}

EditingForm.h:

#pragma once

namespace LabV3 {

using namespace System;

using namespace System::ComponentModel;

using namespace System::Collections;

using namespace System::Windows::Forms;

using namespace System::Data;

using namespace System::Drawing;

using namespace System::Data::OleDb;

/// <summary>

/// Сводка для EditingForm

/// </summary>

public ref class EditingForm : public System::Windows::Forms::Form

{

public:

String^ connectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:/Users/Ivan/source/repos/Lab\_V3/Lab\_V3/myDataBase.accdb"; private: System::Windows::Forms::Label^ label1;

private: System::Windows::Forms::Button^ button1;

private: System::Windows::Forms::TextBox^ textBox1;

private: System::Windows::Forms::TextBox^ textBox2;

private: System::Windows::Forms::TextBox^ textBox3;

private: System::Windows::Forms::TextBox^ textBox4;

private: System::Windows::Forms::Label^ label2;

private: System::Windows::Forms::Label^ label3;

private: System::Windows::Forms::Label^ label4;

public:

OleDbConnection^ dbConnection = gcnew OleDbConnection(connectionString);

public:

EditingForm(void)

{

InitializeComponent();

//

//TODO: добавьте код конструктора

//

}

protected:

/// <summary>

/// Освободить все используемые ресурсы.

/// </summary>

~EditingForm()

{

if (components)

{

delete components;

}

}

private:

/// <summary>

/// Обязательная переменная конструктора.

/// </summary>

System::ComponentModel::Container ^components;

#pragma region Windows Form Designer generated code

/// <summary>

/// Требуемый метод для поддержки конструктора — не изменяйте

/// содержимое этого метода с помощью редактора кода.

/// </summary>

void InitializeComponent(void)

{

this->label1 = (gcnew System::Windows::Forms::Label());

this->button1 = (gcnew System::Windows::Forms::Button());

this->textBox1 = (gcnew System::Windows::Forms::TextBox());

this->textBox2 = (gcnew System::Windows::Forms::TextBox());

this->textBox3 = (gcnew System::Windows::Forms::TextBox());

this->textBox4 = (gcnew System::Windows::Forms::TextBox());

this->label2 = (gcnew System::Windows::Forms::Label());

this->label3 = (gcnew System::Windows::Forms::Label());

this->label4 = (gcnew System::Windows::Forms::Label());

this->SuspendLayout();

//

// label1

//

this->label1->AutoSize = true;

this->label1->Location = System::Drawing::Point(260, 9);

this->label1->Name = L"label1";

this->label1->Size = System::Drawing::Size(157, 17);

this->label1->TabIndex = 0;

this->label1->Text = L"Введите номер заказа";

//

// button1

//

this->button1->Location = System::Drawing::Point(310, 157);

this->button1->Name = L"button1";

this->button1->Size = System::Drawing::Size(107, 29);

this->button1->TabIndex = 1;

this->button1->Text = L"Изменить";

this->button1->UseVisualStyleBackColor = true;

this->button1->Click += gcnew System::EventHandler(this, &EditingForm::button1\_Click);

//

// textBox1

//

this->textBox1->Location = System::Drawing::Point(263, 29);

this->textBox1->Name = L"textBox1";

this->textBox1->Size = System::Drawing::Size(154, 22);

this->textBox1->TabIndex = 2;

//

// textBox2

//

this->textBox2->Location = System::Drawing::Point(13, 74);

this->textBox2->Name = L"textBox2";

this->textBox2->Size = System::Drawing::Size(244, 22);

this->textBox2->TabIndex = 3;

//

// textBox3

//

this->textBox3->Location = System::Drawing::Point(13, 119);

this->textBox3->Name = L"textBox3";

this->textBox3->Size = System::Drawing::Size(244, 22);

this->textBox3->TabIndex = 4;

//

// textBox4

//

this->textBox4->Location = System::Drawing::Point(13, 164);

this->textBox4->Name = L"textBox4";

this->textBox4->Size = System::Drawing::Size(244, 22);

this->textBox4->TabIndex = 5;

//

// label2

//

this->label2->AutoSize = true;

this->label2->Location = System::Drawing::Point(13, 54);

this->label2->Name = L"label2";

this->label2->Size = System::Drawing::Size(244, 17);

this->label2->TabIndex = 6;

this->label2->Text = L"Введите новый номер сертификата";

this->label2->Click += gcnew System::EventHandler(this, &EditingForm::label2\_Click);

//

// label3

//

this->label3->AutoSize = true;

this->label3->Location = System::Drawing::Point(13, 99);

this->label3->Name = L"label3";

this->label3->Size = System::Drawing::Size(186, 17);

this->label3->TabIndex = 7;

this->label3->Text = L"Введите новое количество";

//

// label4

//

this->label4->AutoSize = true;

this->label4->Location = System::Drawing::Point(13, 144);

this->label4->Name = L"label4";

this->label4->Size = System::Drawing::Size(155, 17);

this->label4->TabIndex = 8;

this->label4->Text = L"Введите новый адрес ";

//

// EditingForm

//

this->AutoScaleDimensions = System::Drawing::SizeF(8, 16);

this->AutoScaleMode = System::Windows::Forms::AutoScaleMode::Font;

this->ClientSize = System::Drawing::Size(428, 200);

this->Controls->Add(this->label4);

this->Controls->Add(this->label3);

this->Controls->Add(this->label2);

this->Controls->Add(this->textBox4);

this->Controls->Add(this->textBox3);

this->Controls->Add(this->textBox2);

this->Controls->Add(this->textBox1);

this->Controls->Add(this->button1);

this->Controls->Add(this->label1);

this->Name = L"EditingForm";

this->Text = L"EditingForm";

this->ResumeLayout(false);

this->PerformLayout();

}

#pragma endregion

private: System::Void label2\_Click(System::Object^ sender, System::EventArgs^ e) {

}

private: System::Void button1\_Click(System::Object^ sender, System::EventArgs^ e) {

if (this->textBox1->Text != "")

{

dbConnection->Open();

int certNum = Convert::ToInt32(this->textBox2->Text);

int quantity = Convert::ToInt32(this->textBox3->Text);

String^ address = this->textBox4->Text;

int orderNum = Convert::ToInt32(this->textBox1->Text);

String^ query;

OleDbCommand^ dbCommand1, ^ dbCommand2;

if (this->textBox2->Text != "")

{

query = "UPDATE [Книга заказов] SET [Номер сертификата] = " + certNum + " WHERE [Номер заказа] = " + orderNum;

dbCommand1 = gcnew OleDbCommand(query, dbConnection);

dbCommand1->ExecuteNonQuery();

}

if (this->textBox3->Text != "")

{

query = "UPDATE [Книга заказов] SET [Количество] = " + quantity + " WHERE [Номер заказа] = " + orderNum;

dbCommand2 = gcnew OleDbCommand(query, dbConnection);

dbCommand2->ExecuteNonQuery();

}

if (this->textBox3->Text != "")

{

query = "UPDATE [Книга заказов] SET [Адрес поставки] = \'" + address + "\' WHERE [Номер заказа] = " + orderNum;

dbCommand2 = gcnew OleDbCommand(query, dbConnection);

dbCommand2->ExecuteNonQuery();

}

MessageBox::Show("Заказ успешно отредактирован!");

}

else

{

MessageBox::Show("Для редактирования введите номер заказа.");

}

dbConnection->Close();

}

};

}

DeletingForm.h:

#pragma once

namespace LabV3 {

using namespace System;

using namespace System::ComponentModel;

using namespace System::Collections;

using namespace System::Windows::Forms;

using namespace System::Data;

using namespace System::Drawing;

using namespace System::Data::OleDb;

/// <summary>

/// Сводка для DeletingForm

/// </summary>

public ref class DeletingForm : public System::Windows::Forms::Form

{

public:

String^ connectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:/Users/Ivan/source/repos/Lab\_V3/Lab\_V3/myDataBase.accdb";

private: System::Windows::Forms::Label^ label1;

private: System::Windows::Forms::TextBox^ textBox1;

private: System::Windows::Forms::Button^ button1;

public:

OleDbConnection^ dbConnection = gcnew OleDbConnection(connectionString);

public:

DeletingForm(void)

{

InitializeComponent();

//

//TODO: добавьте код конструктора

//

}

protected:

/// <summary>

/// Освободить все используемые ресурсы.

/// </summary>

~DeletingForm()

{

if (components)

{

delete components;

}

}

private:

/// <summary>

/// Обязательная переменная конструктора.

/// </summary>

System::ComponentModel::Container ^components;

#pragma region Windows Form Designer generated code

/// <summary>

/// Требуемый метод для поддержки конструктора — не изменяйте

/// содержимое этого метода с помощью редактора кода.

/// </summary>

void InitializeComponent(void)

{

this->label1 = (gcnew System::Windows::Forms::Label());

this->textBox1 = (gcnew System::Windows::Forms::TextBox());

this->button1 = (gcnew System::Windows::Forms::Button());

this->SuspendLayout();

//

// label1

//

this->label1->AutoSize = true;

this->label1->Location = System::Drawing::Point(13, 13);

this->label1->Name = L"label1";

this->label1->Size = System::Drawing::Size(157, 17);

this->label1->TabIndex = 0;

this->label1->Text = L"Введите номер заказа";

//

// textBox1

//

this->textBox1->Location = System::Drawing::Point(13, 34);

this->textBox1->Name = L"textBox1";

this->textBox1->Size = System::Drawing::Size(157, 22);

this->textBox1->TabIndex = 1;

//

// button1

//

this->button1->Location = System::Drawing::Point(200, 104);

this->button1->Name = L"button1";

this->button1->Size = System::Drawing::Size(98, 30);

this->button1->TabIndex = 2;

this->button1->Text = L"Удалить";

this->button1->UseVisualStyleBackColor = true;

this->button1->Click += gcnew System::EventHandler(this, &DeletingForm::button1\_Click);

//

// DeletingForm

//

this->AutoScaleDimensions = System::Drawing::SizeF(8, 16);

this->AutoScaleMode = System::Windows::Forms::AutoScaleMode::Font;

this->ClientSize = System::Drawing::Size(310, 146);

this->Controls->Add(this->button1);

this->Controls->Add(this->textBox1);

this->Controls->Add(this->label1);

this->Name = L"DeletingForm";

this->Text = L"DeletingForm";

this->ResumeLayout(false);

this->PerformLayout();

}

#pragma endregion

private: System::Void button1\_Click(System::Object^ sender, System::EventArgs^ e) {

if (this->textBox1->Text != "")

{

dbConnection->Open();

int orderNum = Convert::ToInt32(this->textBox1->Text);

String^ query = "DELETE FROM [Книга заказов] WHERE [Номер заказа] = " + orderNum;

OleDbCommand^ dbCommand = gcnew OleDbCommand(query, dbConnection);

dbCommand->ExecuteNonQuery();

dbConnection->Close();

MessageBox::Show("Заказ успешно удален!");

}

else

{

MessageBox::Show("Для удаления введите номер заказа.");

}

}

};

}

**Тест**

|  |  |
| --- | --- |
| Входные данные | Выходные данные |
|  | Номера заказов, сертификаты товаров, количество товаров, адрес поставки: |

**Вывод**

В процессе выполнения лабораторной работы я разработал приложение с графическим интерфейсом для Windows, используя библиотеку .NET. Расширил и укрепил свои знания в среде программирования С++.