**Практикум 15**

<https://github.com/VsevolodTilta/Practic>

**Код формы запроса:**

namespace Общежитие

{

public partial class CallForm : Form

{

public CallForm()

{

InitializeComponent();

}

private void buttonCall\_Click(object sender, EventArgs e)

{

OleDbConnection sqlconn = new OleDbConnection("Provider = Microsoft.ACE.OLEDB.12.0;" + "Data source = C:/Users/Admin/Desktop/Общежитие.accdb");

sqlconn.Open();

string s = "";

if(radioButtonFullInfo.Checked) { s = "SELECT \* FROM Student"; }

if (radioButtonInfo.Checked) { s = "SELECT SNP, Group FROM Student"; }

if(radioButtonGroup.Checked) { s = "SELECT DISTINCT Group FROM Student"; }

if (radioButtonFloor.Checked) { s = "SELECT \* FROM room where Floor = 3"; }

if (radioButtonPO.Checked) { s = "SELECT \* FROM Student where Student.Group like 'ПО%'"; }

OleDbDataAdapter oda = new OleDbDataAdapter(s, sqlconn);

DataTable dt = new DataTable();

oda.Fill(dt);

dataGridView1.DataSource = dt;

sqlconn.Close();

}

private void buttonClear\_Click(object sender, EventArgs e)

{

int count = dataGridView1.Columns.Count;

for (int i = 0; i < count; i++)

{

dataGridView1.Columns.RemoveAt(0);

}

}

}

}

**Ответы на вопросы:**

1.SQL-запрос выполняется с помощью метода Fill() у OleDbDataAdapter, выглядит это так — dataAdapter.Fill(data);

2. Примеры SQL-запросов:

a. SELECT \* FROM course WHERE title LIKE ‘%to%’;

b. SELECT \* FROM student WHERE dept\_name IN (‘Comp. Sci.’, ‘Physics’, ‘Elec. Eng.’);

c. SELECT \* FROM course JOIN department ON course.dept\_name=department.dept\_name;