ДЕПАРТАМЕНТ ОБРАЗОВАНИЯ И НАУКИ
ГОРОДА МОСКВЫ
Государственное бюджетное профессиональное
образовательное учреждение города Москвы
«Колледж малого бизнеса № 4»
(ГБПОУ КМБ № 4)

РАБОТА С WINDOWS FORM (.NET FRAMEWORK)

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Отчётная работа защищена с оценкой «___» _____

Москва, 2025 г.

Оглавление

Лабораторная работа №1 3
Лабораторная работа №2 5
Задание 1 5
Задание 2 6
Задание 3 8
Задание 4 10
Лабораторная работа №3 12
Задание 1 12
Задание 2 13
Задание 3 14
Задание 4 15
Задание 5 15
Лабораторная работа №4 17
Лабораторная работа №5 19
Задание 1 19
Задание 2 20

Лабораторная работа №1

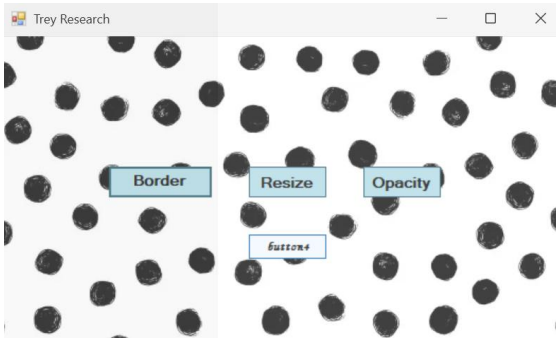
Код (Form1):

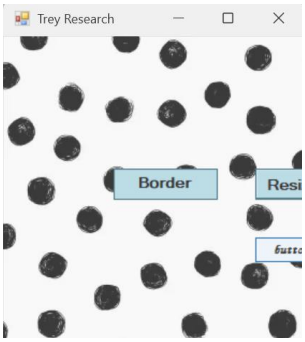
```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace WindowsFormsApp1
{
    Ссылок: 3
    public partial class Form1 : Form
    {
        Ссылок: 1
        public Form1()
        {
            InitializeComponent();
        }

        Ссылок: 1
        private void button1_Click(object sender, EventArgs e)
        {
            this.FormBorderStyle = FormBorderStyle.Sizable;
        }

        Ссылок: 1
        private void button2_Click(object sender, EventArgs e)
        {
            this.Size = new Size(300, 500);
        }

        Ссылок: 1
        private void button3_Click(object sender, EventArgs e)
        {
            this.Opacity = 1;
        }

        Ссылок: 1
        private void button4_Click(object sender, EventArgs e)
        {
            Form2 newForm = new Form2();
            newForm.Show();

        }
    }
}
```

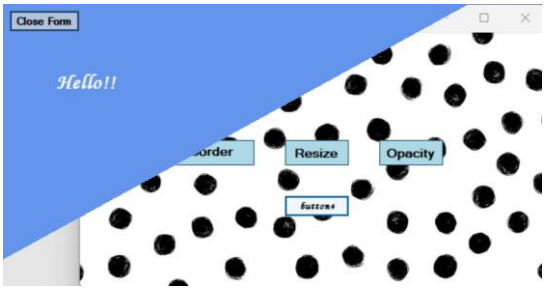
Код (Form2):

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

namespace WindowsFormsApp1
{
    Ссылок: 4
    public partial class Form2 : Form
    {
        Ссылок: 1
        public Form2()
        {
            InitializeComponent();
        }

        Ссылок: 1
        private void button1_Click(object sender, EventArgs e)
        {
            this.Close();
        }

        Ссылок: 1
        private void Form2_Load(object sender, EventArgs e)
        {
            System.Drawing.Drawing2D.GraphicsPath myPath = new System.Drawing.Drawing2D.GraphicsPath();
            myPath.AddPolygon(new Point[] { new Point(0, 0), new Point(0, this.Height), new Point(this.Width, 0) });
            Region myRegion = new Region(myPath);
            this.Region = myRegion;
        }
    }
}
```

Результат отладки:







Лабораторная работа №2

Задание 1

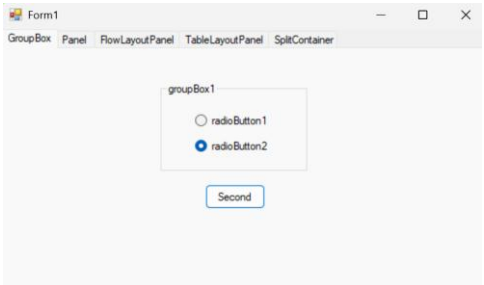
Код:

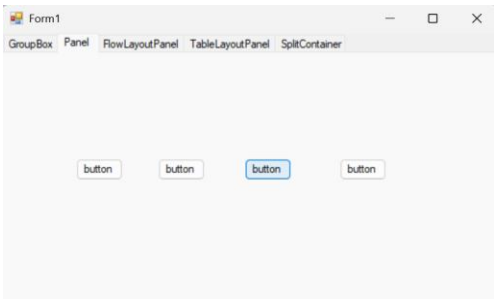
```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace WinContainer
{
    Ссылок: 3
    public partial class Form1 : Form
    {
        Ссылок: 1
        public Form1()
        {
            InitializeComponent();
        }

        Ссылок: 1
        private void but_Click(object sender, EventArgs e)
        {
```

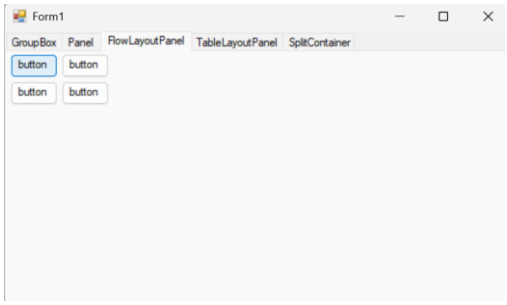
```
            if (radioButton1.Checked == true)
                this.but.Text = "First";
            else if (radioButton2.Checked == true)
                this.but.Text = "Second";
        }

        Ссылок: 1
        private void panel1_Paint(object sender, PaintEventArgs
        {

        }

        Ссылок: 1
        private void button5_Click(object sender, EventArgs e)
        {
            flowLayoutPanel1.SetFlowBreak(button6, true);
        }

        Ссылок: 1
        private void button9_Click(object sender, EventArgs e)
        {
            Button aButton = new Button();
            tableLayoutPanel1.Controls.Add(aButton, 1, 1);
        }
```

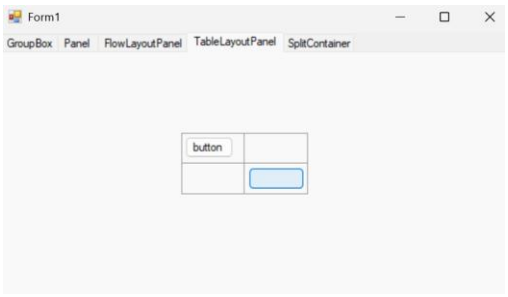
```
        private void button10_Click(object sender, EventArgs e)
        {
            if (splitContainer1.FixedPanel == FixedPanel.Panel1)
                splitContainer1.FixedPanel = FixedPanel.None;
            else
                splitContainer1.FixedPanel = FixedPanel.Panel1;
        }

        Ссылок: 1
        private void button11_Click(object sender, EventArgs e)
        {
            splitContainer1.IsSplitterFixed =
                !(splitContainer1.IsSplitterFixed);
        }

        Ссылок: 1
        private void button12_Click(object sender, EventArgs e)
        {
            splitContainer1.Panel1Collapsed =
                !(splitContainer1.Panel1Collapsed);
        }
    }
}
```

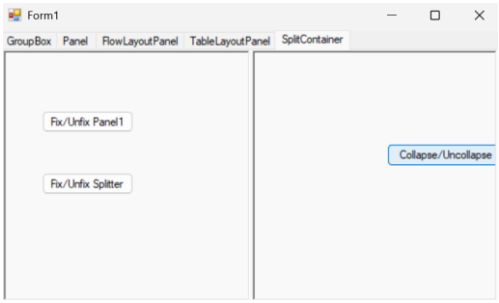
Результат отладки:











Задание 2

Код (Form1):

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

namespace WinLinkLabel
{
    Ссылок: 3
    public partial class Form1 : Form
    {
        Ссылок: 1
        public Form1()
        {
            InitializeComponent();
        }

        Ссылок: 1
        private void linkLabel1_LinkClicked(object sender, LinkLabelLinkClickedEventArgs e)
        {
            DialogResult aResult;
```

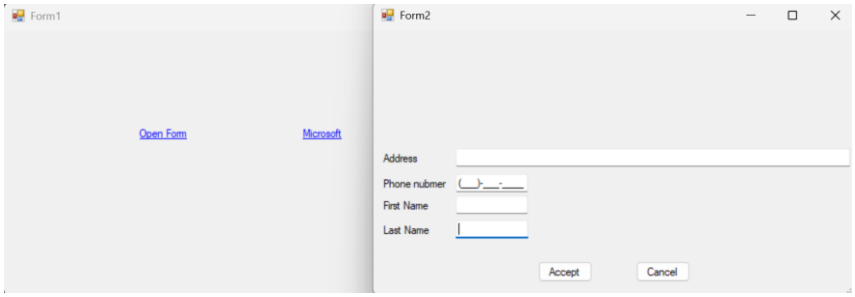
```
            Form2 aForm = new Form2();
            aResult = aForm.ShowDialog();

            if (aResult == DialogResult.OK)
            {
                MessageBox.Show("Your name is " +
                    aForm.textBox1.Text + " " +
                    aForm.textBox2.Text);

                MessageBox.Show("Your address is " +
                    aForm.textBox3.Text);

                MessageBox.Show("Your phone number is " +
                    aForm.maskedTextBox1.Text);
            }

            linkLabel1.LinkVisited = true;

        }

        Ссылок: 1
        private void linkLabel2_LinkClicked(object sender, LinkLabelLinkClickedEventArgs e)
        {
            System.Diagnostics.Process.Start("www.limtu.com");
            linkLabel2.LinkVisited = true;
```

```
47              }
48
                Ссылок: 1
49              private void Form1_Load(object sender, EventArgs e)
50              {
51
52              }
53          }
54      }
55
```

Код (Form2):

```
1   using System;
2   using System.Collections.Generic;
3   using System.ComponentModel;
4   using System.Data;
5   using System.Drawing;
6   using System.Linq;
7   using System.Text;
8   using System.Threading.Tasks;
9   using System.Windows.Forms;
10
11  namespace WinLinkLabel
12  {
        Ссылок: 4
13      public partial class Form2 : Form
14      {
            Ссылок: 1
15          public Form2()
16          {
17              InitializeComponent();
18          }
19
            Ссылок: 1
20          private void Form2_Load(object sender, EventArgs e)
21          {
22
```

Результат отладки:



Задание 3

Код (ParentForm):

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

namespace WindowsFormsApp1
{
    Ссылок: 3
    public partial class ParentForm : Form
    {
        int openDocuments = 0;
        Ссылок: 1
        public ParentForm()
        {
            InitializeComponent();

            spData.Text = Convert.ToString(
                System.DateTime.Today.ToLongDateString()
            );
        }
```

```

        Ссылок: 0
        private void button1_Click(object sender, EventArgs e)
        {
            this.FormBorderStyle = FormBorderStyle.Sizable;
        }

        Ссылок: 0
        private void button2_Click(object sender, EventArgs e)
        {
            this.Size = new Size(300, 500);
        }

        Ссылок: 0
        private void button3_Click(object sender, EventArgs e)
        {
            this.Opacity = 1;
        }

        Ссылок: 0
        private void button4_Click(object sender, EventArgs e)
        {
            Form2 newForm = new Form2();
            newForm.Show();
```

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

        }

        Ссылок: 1
        private void fileToolStripMenuItem_Click(object sender, EventArgs e)
        {

        }

        Ссылок: 0
        private void WindowCascadeMenuItem_Click(object sender, EventArgs e)
        {
            this.LayoutMdi(System.Windows.Forms.MdiLayout.Cascade);
            spWin.Text = "Window is cascade";
        }

        Ссылок: 0
        private void WindowTileMenuItem_Click(object sender, EventArgs e)
        {
            this.LayoutMdi(System.Windows.Forms.MdiLayout.TileHorizontal);
            spWin.Text = "Window is horizontal";
        }
```

```
        {
            ChildForm newChild = new ChildForm();
            newChild.MdiParent = this;

            newChild.Text = newChild.Text + " " + ++openDocuments;

            newChild.Show();
        }

        Ссылок: 1
        private void ExitMenuItem_Click(object sender, EventArgs e)
        {
            this.Close();
        }

        Ссылок: 1
        private void WindowCascadeMenuItem_Click_1(object sender, EventArgs e)
        {
            this.LayoutMdi(System.Windows.Forms.MdiLayout.Cascade);
        }

        Ссылок: 1
        private void WindowTileMenuItem_Click_1(object sender, EventArgs e)
        {
            this.LayoutMdi(System.Windows.Forms.MdiLayout.TileHorizontal);
```

```
94          private void NewMenuItem_Click_1(object sender, EventArgs e)
95          {
96              ChildForm newChild = new ChildForm();
97              newChild.MdiParent = this;
98              newChild.Show();
99          }
100
            Ссылок: 1
101         private void toolStrip1_ItemClicked(object sender, ToolStripItemClickedEventArgs e)
102         {
103             if (e.ClickedItem.Tag == null)
104                 return;
105
106             switch (e.ClickedItem.Tag.ToString())
107             {
108                 case "NewDoc":
109                     ChildForm newChild = new ChildForm();
110                     newChild.MdiParent = this;
111                     newChild.Show();
112                     newChild.Text = newChild.Text + " " + ++openDocuments;
113                     break;
114
115                 case "Cascade":
116                     this.LayoutMdi(System.Windows.Forms.MdiLayout.Cascade);
117                     break;
```

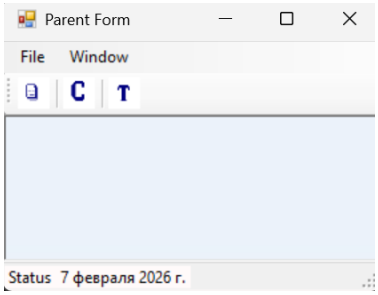
```
118
119                 case "Title":
120                     this.LayoutMdi(System.Windows.Forms.MdiLayout.TileHorizontal);
121                     break;
122             }
123         }
124     }
125 }
```

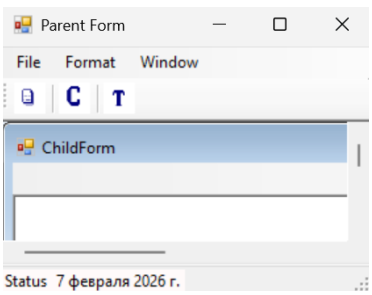
Код (ChildForm):

```
1   using System;
2   using System.Collections.Generic;
3   using System.ComponentModel;
4   using System.Data;
5   using System.Drawing;
6   using System.Linq;
7   using System.Text;
8   using System.Threading.Tasks;
9   using System.Windows.Forms;
10
11  namespace WindowsFormsApp1
12  {
        Ссылок: 8
13      public partial class ChildForm : Form
14      {
            Ссылок: 3
15          public ChildForm()
16          {
17              InitializeComponent();
18          }
19
            Ссылок: 1
20          private void ToggleMenuItem_Click(object sender, EventArgs e)
21          {
22              if (ToggleMenuItem.Checked)
```

```
22              if (ToggleMenuItem.Checked)
23              {
24                  ToggleMenuItem.Checked = false;
25                  ChildTextBox.ForeColor = System.Drawing.Color.Black;
26              }
27              else
28              {
29                  ToggleMenuItem.Checked = true;
30                  ChildTextBox.ForeColor = System.Drawing.Color.Blue;
31              }
32          }
33      }
34  }
35
```

Результат отладки:





Задание 4

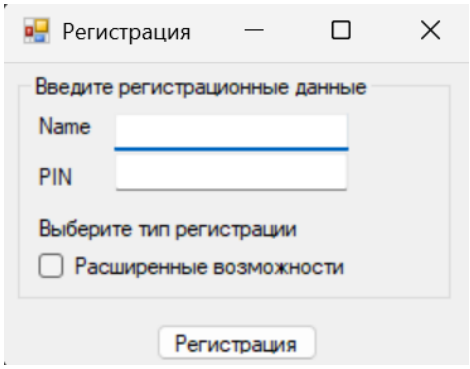
Код:

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

namespace RegistrationForm
{
    Ссылок: 3
    public partial class Form1 : Form
    {
        Ссылок: 1
        public Form1()
        {
            InitializeComponent();
        }

        Ссылок: 1
        private void checkBox1_CheckedChanged(object sender, EventArgs e)
        {
            if (checkBox1.Checked == true)
            {
                Label lbl = new Label();
                lbl.Location = new System.Drawing.Point(16, 96);
                lbl.Size = new System.Drawing.Size(32, 23);
                lbl.Name = "labelll";
                lbl.TabIndex = 2;
                lbl.Text = "PIN2";
                groupBox1.Controls.Add(lbl);

                TextBox txt = new TextBox();
                txt.Location = new System.Drawing.Point(96, 96);
                txt.Size = new System.Drawing.Size(184, 20);
                txt.Name = "textboxx";
                txt.TabIndex = 1;
                txt.Text = "";
                txt.KeyPress += new KeyPressEventHandler(this.textBox2_KeyPress);
                groupBox1.Controls.Add(txt);
            }
            else
            {
                int lcv;
                lcv = groupBox1.Controls.Count;
                while (lcv > 4)
                {
                    groupBox1.Controls.RemoveAt(lcv - 1);
                    lcv -= 1;
                }
            }
        }

        Ссылок: 1
        private void textBox1_KeyPress(object sender, KeyPressEventArgs e)
        {
            if (char.IsDigit(e.KeyChar))
            {
                e.Handled = true;
                MessageBox.Show("Поле Name не может содержать цифры");
            }
            else
            {
                errorProvider1.SetError(textBox1, "Must be letter");
            }
        }

        Ссылок: 2
        private void textBox2_KeyPress(object sender, KeyPressEventArgs e)
        {
            if (!char.IsDigit(e.KeyChar))
```

```
69                  {
70                      e.Handled = true;
71                      MessageBox.Show("Поле PIN не может содержать буквы");
72                  }
73              }
74
                Ссылок: 1
75              private void textBox2_Validating(object sender, CancelEventArgs e)
76              {
77                  if (textBox2.Text == "")
78                  {
79                      e.Cancel = false;
80                  }
81                  else
82                  {
83                      try
84                      {
85                          double.Parse(textBox2.Text);
86                          e.Cancel = false;
87                      }
88                      catch
89                      {
90                          e.Cancel = true;
91                          MessageBox.Show("Поле PIN не может содержать буквы");
```

```
92                      }
93                  }
94              }
95
                Ссылок: 1
96              private void button1_Click(object sender, EventArgs e)
97              {
98
99              }
100
                Ссылок: 1
101             private void textBox1_TextChanged(object sender, EventArgs e)
102             {
103
104             }
105         }
106     }
```

Результат отладки:



Лабораторная работа №3

Задание 1

Код (TestList):

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

namespace WindowsFormsApp1
{
    Ссылок: 2
    public partial class TestList : Form
    {
        Ссылок: 0
        public TestList()
        {
            InitializeComponent();
        }

        Ссылок: 1
        private void buttonAdd_Click(object sender, EventArgs e)
        {
            if (peopleList.Text.Length != 0)
```

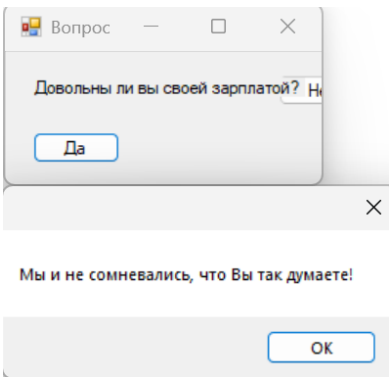
```
            {
                memberList.Items.Add(peopleList.Text);
            }
            else MessageBox.Show("Выберите элемент из списка или введите новый");

        }

        Ссылок: 1
        private void buttonDelete_Click(object sender, EventArgs e)
        {
            while (memberList.CheckedIndices.Count > 0)
                memberList.Items.RemoveAt(memberList.CheckedIndices[0]);

        }

        Ссылок: 1
        private void buttonSort_Click(object sender, EventArgs e)
        {
            memberList.Sorted = true;
        }
    }
}
```

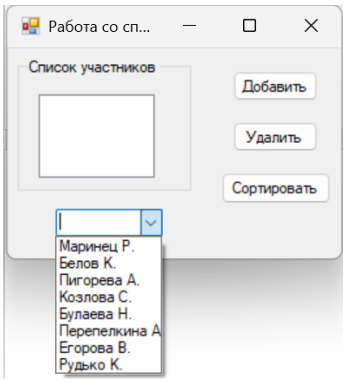
Код (WinQuestion):

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

namespace WindowsFormsApp1
{
    public partial class WinQuestion : Form
    {
        Ссылок: 0
        public WinQuestion()
        {
            InitializeComponent();
        }

        Ссылок: 1
        private void btnyes_Click(object sender, EventArgs e)
        {
            MessageBox.Show("Мы и не сомневались, что Вы так думаете!");
```

```
        }

        Ссылок: 1
        private void btnno_MouseMove(object sender, MouseEventArgs e)
        {
            btnno.Top -= e.Y;
            btnno.Left += e.X;
            if (btnno.Top < -10 || btnno.Top > 100)
                btnno.Top = 60;
            if (btnno.Left < -80 || btnno.Left > 250)
                btnno.Left = 120;

        }
    }
}
```

Результат отладки:





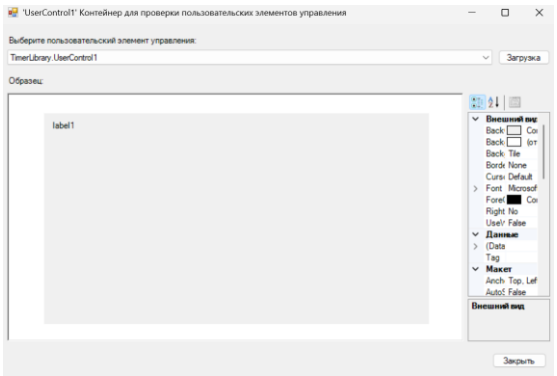
Задание 2

Код:

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

namespace TimerLibrary
{
    public partial class UserControl1 : UserControl
    {
        Ссылок: 0
        public UserControl1()
        {
            InitializeComponent();
        }

        Ссылок: 1
        private void timer1_Tick(object sender, EventArgs e)
        {
            label1.Text = DateTime.Now.ToLongTimeString();
```

```
        }

        Ссылок: 0
        public bool TimeEnabled
        {
            get { return timer1.Enabled; }
            set { timer1.Enabled = value; }
        }
    }
}
```

Результат отладки:



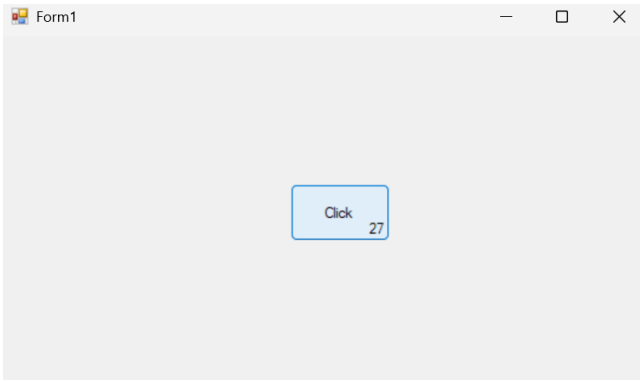
Задание 3

Код:

```
using System;
using System.Windows.Forms;
using System.Drawing;

namespace WinButNum
{
    Ссылок: 2
    public class ClickButton : System.Windows.Forms.Button
    {
        int mClicks;

        Ссылок: 2
        public int Clicks
        {
            get { return mClicks; }
        }

        Ссылок: 0
        protected override void OnClick(EventArgs e)
        {
            mClicks++;
            base.OnClick(e);
        }
```

```
        protected override void OnPaint(System.Windows.Forms.PaintEventArgs pevent)
        {
            base.OnPaint(pevent);

            System.Drawing.Graphics g = pevent.Graphics;
            System.Drawing.SizeF stringsize;

            stringsize = g.MeasureString(
                Clicks.ToString(),
                this.Font,
                this.Width
            );

            g.DrawString(
                Clicks.ToString(),
                this.Font,
                System.Drawing.SystemBrushes.ControlText,
                this.Width - stringsize.Width - 3,
                this.Height - stringsize.Height - 3
            );
        }
    }
}
```

Результат отладки:



Задание 4

Код:

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

namespace WinTimer1
{
    public partial class UserControlTimer : UserControl
    {
        Ссылок: 1
        public UserControlTimer()
        {
            InitializeComponent();
        }

        private void timer1_Tick(object sender, EventArgs e)
        {
            label1.Text = DateTime.Now.ToLongTimeString();
        }

        public bool TimeEnabled
        {
            get { return timer1.Enabled; }
            set { timer1.Enabled = value; }
        }
    }
}
```

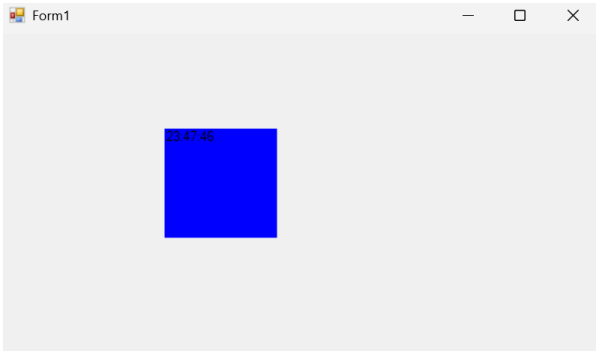
Задание 5

Код:

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

namespace WinTimer2
{
    public partial class UserControlTimer2 : UserControl
    {
        public UserControlTimer2()
        {
            InitializeComponent();
        }

        private void timer1_Tick(object sender, EventArgs e)
        {
            this.Refresh();
```

```
        }

        Ссылок: 0
        protected override void OnPaint(PaintEventArgs pe)
        {
            base.OnPaint(pe);
            Graphics g = pe.Graphics;
            g.FillRectangle(Brushes.Blue, 0, 0, this.Width,
            this.Height);
            pe.Graphics.DrawString(DateTime.Now.ToLongTimeString(),
this.Font, new SolidBrush(this.ForeColor), 0, 0);
        }


    }
}

```

Результат отладки:



Лабораторная работа №4

Код:

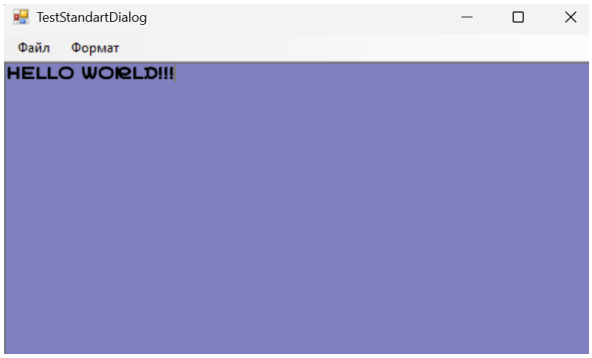
```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.IO;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace TestStandartDialog
{
    Ссылок: 3
    public partial class Form1 : Form
    {
        Ссылок: 1
        public Form1()
        {
            InitializeComponent();
        }

        Ссылок: 1
        private void saveFileDialog1_FileOk(object sender, CancelEventArgs e)
        {
```

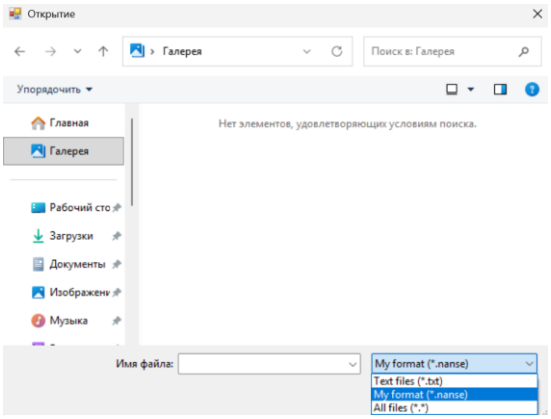
```
        }

        Ссылок: 1
        private void сохранитьКакToolStripMenuItem_Click(object sender, EventArgs e)
        {
            try
            {
                saveFileDialog1.Filter = "txt files (*.txt)|*.txt";

                if (saveFileDialog1.ShowDialog() == DialogResult.OK
                    && saveFileDialog1.FileName.Length > 0)
                {
                    richTextBox1.SaveFile(
                        saveFileDialog1.FileName,
                        RichTextBoxStreamType.PlainText);

                    MessageBox.Show("Файл успешно сохранён");
                }
            }
            catch (Exception ex)
            {
                MessageBox.Show("Ошибка сохранения:\n" + ex.Message);
            }
```

```
        private void цветФонаToolStripMenuItem_Click(object sender, EventArgs e)
        {
            if (colorDialog1.ShowDialog() == DialogResult.OK)
            {
                richTextBox1.BackColor = colorDialog1.Color;
            }
        }

        Ссылок: 1
        private void шрифтToolStripMenuItem_Click(object sender, EventArgs e)
        {
            if (fontDialog1.ShowDialog() == DialogResult.OK)
            {
                richTextBox1.Font = fontDialog1.Font;
            }
        }

        Ссылок: 1
        private void открытьToolStripMenuItem_Click(object sender, EventArgs e)
        {
            Stream myStream = null;
            OpenFileDialog openFileDialog1 = new OpenFileDialog();

            openFileDialog1.InitialDirectory = @"c:\";
```

```
            openFileDialog1.Filter = "Text files (*.txt)|*.txt|My format (*.nanse)|*.mytxt|All files (*.*)|*.*";
            openFileDialog1.FilterIndex = 2;

            if (openFileDialog1.ShowDialog() == DialogResult.OK)
            {
                try
                {
                    if ((myStream = openFileDialog1.OpenFile()) != null)
                    {
                        using (myStream)
                        {
                            richTextBox1.LoadFile(
                                openFileDialog1.FileName,
                                RichTextBoxStreamType.PlainText);
                        }
                    }
                }
                catch (Exception ex)
                {
                    MessageBox.Show("Error: Could not read file from disk: " + ex.Message);
                }
            }
        }
    }
```

Результат отладки:





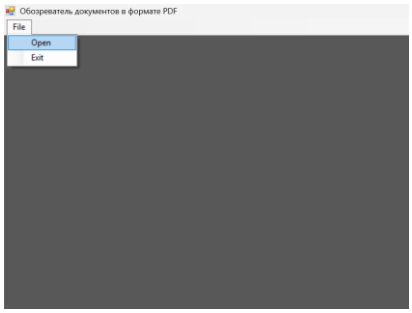
Лабораторная работа №5

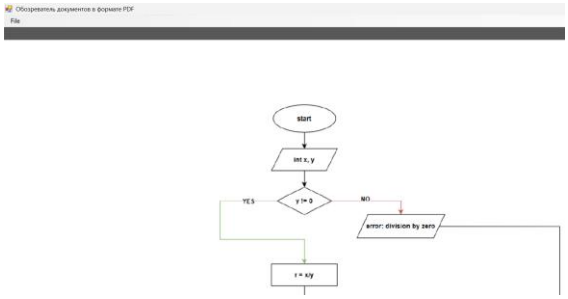
Задание 1

Код:

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

namespace PDF_Reader
{
    Ссылок: 4
    public partial class Form1 : Form
    {
        Ссылок: 1
        public Form1()
        {
            InitializeComponent();
        }

        Ссылок: 1
        private void openToolStripMenuItem_Click(object sender, EventArgs e)
        {
            openFileDialog1.Filter = "Файлы pdf|*.pdf";
            openFileDialog1.ShowDialog();
            axAcroPDF1.LoadFile(openFileDialog1.FileName);
        }

        Ссылок: 1
        private void exitToolStripMenuItem_Click(object sender, EventArgs e)
        {
            this.Close();
        }
    }
}
```

Результат отладки:





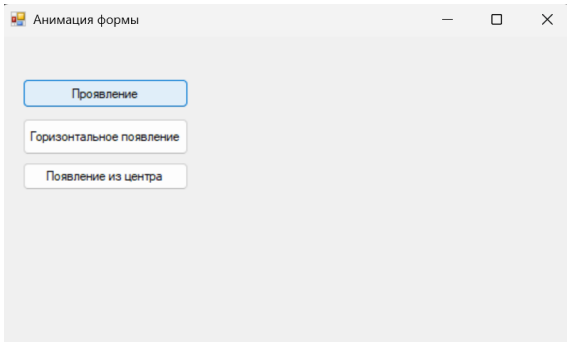
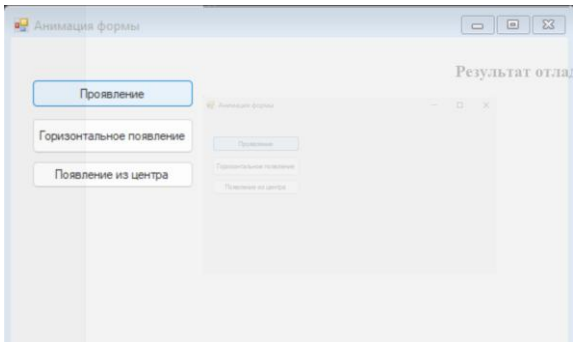
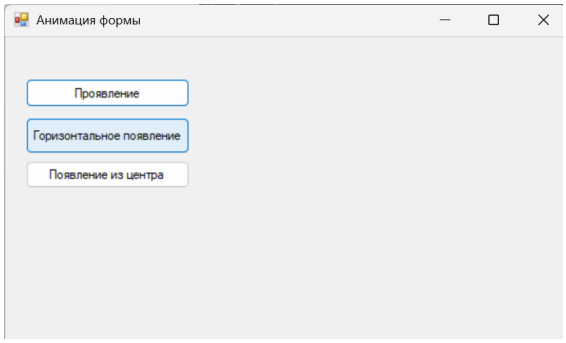
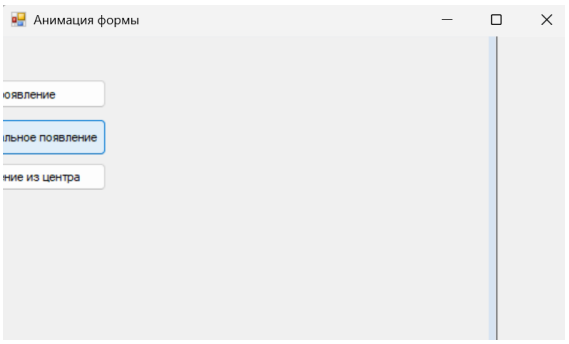
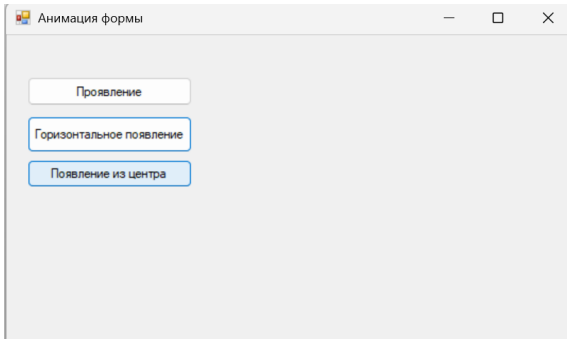
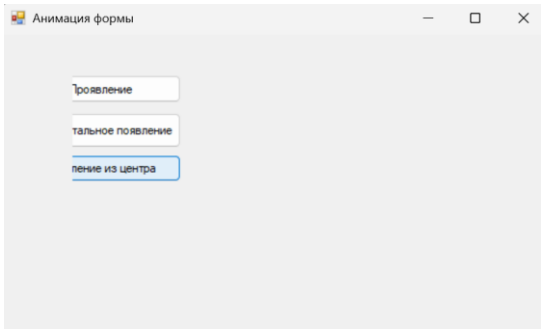
Задание 2

Код (Form1):

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

namespace WinAnim
{
    Ссылок: 3
    public partial class Form1 : Form
    {
        Ссылок: 1
        public Form1()
        {
            InitializeComponent();
        }

        Ссылок: 1
        private void btnAW_BLEND_Click(object sender, EventArgs e)
        {
            this.Hide();
            WinAPIClass.AnimateWindow(this, 3000,
                WinAPIClass.AnimateWindowFlags.AW_ACTIVATE |
                WinAPIClass.AnimateWindowFlags.AW_BLEND);

            btnAW_BLEND.Invalidate();
            btnHOR_AW_SLIDE.Invalidate();
            btnCenter_AW_SLIDE.Invalidate();
        }

        Ссылок: 1
        private void btnHOR_AW_SLIDE_Click(object sender, EventArgs e)
        {
            this.Hide();
            WinAPIClass.AnimateWindow(this, 3000,
                WinAPIClass.AnimateWindowFlags.AW_HOR_POSITIVE |
                WinAPIClass.AnimateWindowFlags.AW_SLIDE);

            btnAW_BLEND.Invalidate();
            btnHOR_AW_SLIDE.Invalidate();
            btnCenter_AW_SLIDE.Invalidate();
        }

        private void btnCenter_AW_SLIDE_Click(object sender, EventArgs e)
        {
            this.Hide();
            WinAPIClass.AnimateWindow(this, 3000,
                WinAPIClass.AnimateWindowFlags.AW_CENTER |
                WinAPIClass.AnimateWindowFlags.AW_SLIDE);

            btnAW_BLEND.Invalidate();
            btnHOR_AW_SLIDE.Invalidate();
            btnCenter_AW_SLIDE.Invalidate();
        }
    }
}
```

Код (WinAPIClass):

```
using System;
using System.Runtime.InteropServices;
using System.Windows.Forms;

Ссылок: 9
public class WinAPIClass
{
    [Flags]
    Ссылок: 7
    public enum AnimateWindowFlags : int
    {
        AW_HOR_POSITIVE = 1,
        AW_HOR_NEGATIVE = 2,
        AW_VER_POSITIVE = 4,
        AW_VER_NEGATIVE = 8,
        AW_CENTER = 16,
        AW_HIDE = 65536,
        AW_ACTIVATE = 131072,
        AW_SLIDE = 262144,
        AW_BLEND = 524288
    };

    [DllImport("user32.dll", EntryPoint = "AnimateWindow", SetLastError = true)]
```

```
22          public static extern bool AnimateWindow(
23              IntPtr hwnd, int dwTime, int dwFlags);
24
            Ссылок: 3
25          public static bool AnimateWindow(
26              Control ctrl, int dwTime, AnimateWindowFlags Flags)
27          {
28              return AnimateWindow(ctrl.Handle, dwTime, (int)Flags);
29          }
30      }
31
```

Результат отладки: