Thực hành 1:

Main :

using System;

using System.Collections.Generic;

using System.Linq;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace TH2

{

internal static class Program

{

/// <summary>

/// The main entry point for the application.

/// </summary>

[STAThread]

static void Main()

{

Application.EnableVisualStyles();

Application.SetCompatibleTextRenderingDefault(false);

Application.Run(new Form1());

}

}

}

**Form1.cs:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace TH2

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

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

{

try

{

double a = Convert.ToDouble(txtA.Text.Trim());

double b = Convert.ToDouble(txtB.Text.Trim());

double tong = a + b;

txtKetQua.Text = tong.ToString();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message, "Thông báo lỗi!",

MessageBoxButtons.OKCancel);

}

}

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

{

try

{

double a = Convert.ToDouble(txtA.Text.Trim());

double b = Convert.ToDouble(txtB.Text.Trim());

double hieu = a - b;

txtKetQua.Text = hieu.ToString();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message, "Thông báo lỗi!",

MessageBoxButtons.OKCancel);

}

}

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

{

try

{

double a = Convert.ToDouble(txtA.Text.Trim());

double b = Convert.ToDouble(txtB.Text.Trim());

double tich = a \* b;

txtKetQua.Text = tich.ToString();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message, "Thông báo lỗi!",

MessageBoxButtons.OKCancel);

}

}

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

{

try

{

double a = Convert.ToDouble(txtA.Text.Trim());

double b = Convert.ToDouble(txtB.Text.Trim());

if (b == 0)

{

MessageBox.Show("Mẫu số không được phép bằng 0. Nhập lại!");

txtB.Text = "";

txtB.Focus();

return;

}

double thuong = a / b;

txtKetQua.Text = thuong.ToString();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message, "Thông báo lỗi!",

MessageBoxButtons.OKCancel);

}

}

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

{

txtA.Clear();

txtB.Clear();

txtKetQua.Clear();

txtA.Focus();

}

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

{

DialogResult result = MessageBox.Show("Bạn có thực sự thoát hay không?",

"Xác nhận",

MessageBoxButtons.YesNo);

if (result == DialogResult.Yes)

{

this.Close();

}

}

}

}

**Form1.Designer.cs:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace TH2

{

partial class Form1

{

private System.ComponentModel.IContainer components = null;

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

private void InitializeComponent()

{

this.lblTitle = new System.Windows.Forms.Label();

this.lblA = new System.Windows.Forms.Label();

this.lblB = new System.Windows.Forms.Label();

this.lblKetQua = new System.Windows.Forms.Label();

this.txtA = new System.Windows.Forms.TextBox();

this.txtB = new System.Windows.Forms.TextBox();

this.txtKetQua = new System.Windows.Forms.TextBox();

this.btnCong = new System.Windows.Forms.Button();

this.btnTru = new System.Windows.Forms.Button();

this.btnNhan = new System.Windows.Forms.Button();

this.btnChia = new System.Windows.Forms.Button();

this.btnXoa = new System.Windows.Forms.Button();

this.btnThoat = new System.Windows.Forms.Button();

this.SuspendLayout();

//

// lblTitle

//

this.lblTitle.AutoSize = true;

this.lblTitle.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F, System.Drawing.FontStyle.Bold);

this.lblTitle.Location = new System.Drawing.Point(100, 20);

this.lblTitle.Name = "lblTitle";

this.lblTitle.Size = new System.Drawing.Size(330, 20);

this.lblTitle.Text = "THỰC HIỆN CÁC PHÉP TÍNH SỐ HỌC";

//

// lblA

//

this.lblA.AutoSize = true;

this.lblA.Location = new System.Drawing.Point(100, 70);

this.lblA.Name = "lblA";

this.lblA.Size = new System.Drawing.Size(55, 13);

this.lblA.Text = "Nhập số a:";

//

// lblB

//

this.lblB.AutoSize = true;

this.lblB.Location = new System.Drawing.Point(100, 110);

this.lblB.Name = "lblB";

this.lblB.Size = new System.Drawing.Size(55, 13);

this.lblB.Text = "Nhập số b:";

//

// lblKetQua

//

this.lblKetQua.AutoSize = true;

this.lblKetQua.Location = new System.Drawing.Point(100, 190);

this.lblKetQua.Name = "lblKetQua";

this.lblKetQua.Size = new System.Drawing.Size(47, 13);

this.lblKetQua.Text = "Kết quả:";

//

// txtA

//

this.txtA.Location = new System.Drawing.Point(180, 70);

this.txtA.Name = "txtA";

this.txtA.Size = new System.Drawing.Size(200, 20);

//

// txtB

//

this.txtB.Location = new System.Drawing.Point(180, 110);

this.txtB.Name = "txtB";

this.txtB.Size = new System.Drawing.Size(200, 20);

//

// txtKetQua

//

this.txtKetQua.Location = new System.Drawing.Point(180, 190);

this.txtKetQua.Name = "txtKetQua";

this.txtKetQua.Size = new System.Drawing.Size(200, 20);

//

// btnCong

//

this.btnCong.Location = new System.Drawing.Point(100, 150);

this.btnCong.Name = "btnCong";

this.btnCong.Size = new System.Drawing.Size(75, 23);

this.btnCong.Text = "Cộng";

this.btnCong.Click += new System.EventHandler(this.btnCong\_Click);

//

// btnTru

//

this.btnTru.Location = new System.Drawing.Point(190, 150);

this.btnTru.Name = "btnTru";

this.btnTru.Size = new System.Drawing.Size(75, 23);

this.btnTru.Text = "Trừ";

this.btnTru.Click += new System.EventHandler(this.btnTru\_Click);

//

// btnNhan

//

this.btnNhan.Location = new System.Drawing.Point(280, 150);

this.btnNhan.Name = "btnNhan";

this.btnNhan.Size = new System.Drawing.Size(75, 23);

this.btnNhan.Text = "Nhân";

this.btnNhan.Click += new System.EventHandler(this.btnNhan\_Click);

//

// btnChia

//

this.btnChia.Location = new System.Drawing.Point(370, 150);

this.btnChia.Name = "btnChia";

this.btnChia.Size = new System.Drawing.Size(75, 23);

this.btnChia.Text = "Chia";

this.btnChia.Click += new System.EventHandler(this.btnChia\_Click);

//

// btnXoa

//

this.btnXoa.Location = new System.Drawing.Point(180, 230);

this.btnXoa.Name = "btnXoa";

this.btnXoa.Size = new System.Drawing.Size(75, 23);

this.btnXoa.Text = "Xóa";

this.btnXoa.Click += new System.EventHandler(this.btnXoa\_Click);

//

// btnThoat

//

this.btnThoat.Location = new System.Drawing.Point(280, 230);

this.btnThoat.Name = "btnThoat";

this.btnThoat.Size = new System.Drawing.Size(75, 23);

this.btnThoat.Text = "Thoát";

this.btnThoat.Click += new System.EventHandler(this.btnThoat\_Click);

//

// Form1

//

this.ClientSize = new System.Drawing.Size(550, 300);

this.Controls.Add(this.lblTitle);

this.Controls.Add(this.lblA);

this.Controls.Add(this.lblB);

this.Controls.Add(this.lblKetQua);

this.Controls.Add(this.txtA);

this.Controls.Add(this.txtB);

this.Controls.Add(this.txtKetQua);

this.Controls.Add(this.btnCong);

this.Controls.Add(this.btnTru);

this.Controls.Add(this.btnNhan);

this.Controls.Add(this.btnChia);

this.Controls.Add(this.btnXoa);

this.Controls.Add(this.btnThoat);

this.Name = "Form1";

this.Text = "Thực hành 1";

this.ResumeLayout(false);

this.PerformLayout();

}

private System.Windows.Forms.Label lblTitle;

private System.Windows.Forms.Label lblA;

private System.Windows.Forms.Label lblB;

private System.Windows.Forms.Label lblKetQua;

private System.Windows.Forms.TextBox txtA;

private System.Windows.Forms.TextBox txtB;

private System.Windows.Forms.TextBox txtKetQua;

private System.Windows.Forms.Button btnCong;

private System.Windows.Forms.Button btnTru;

private System.Windows.Forms.Button btnNhan;

private System.Windows.Forms.Button btnChia;

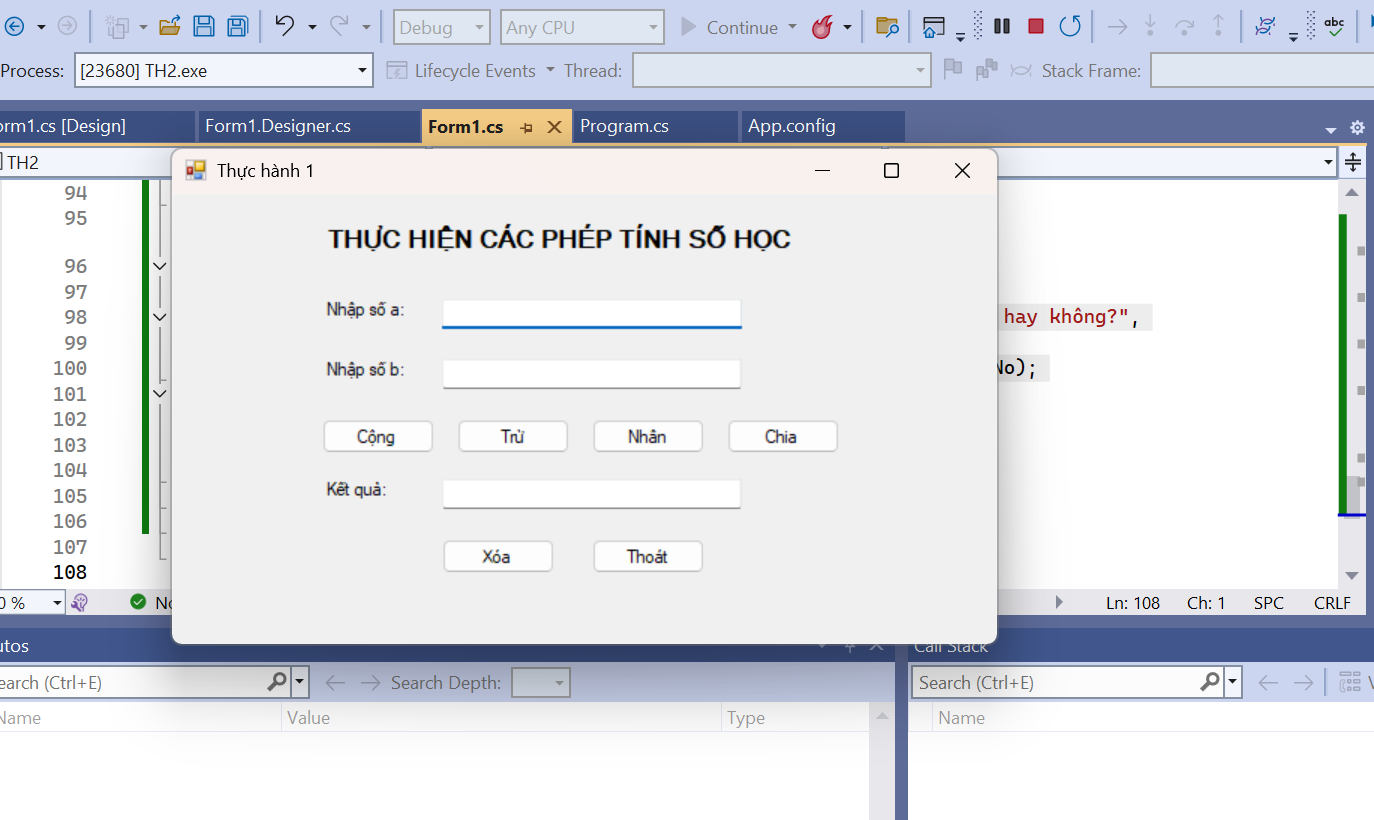
private System.Windows.Forms.Button btnXoa;

private System.Windows.Forms.Button btnThoat;

}

}

Kết quả :



Áp dụng 1 :

**main**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace Apdung1

{

internal static class Program

{

/// <summary>

/// The main entry point for the application.

/// </summary>

[STAThread]

static void Main()

{

Application.EnableVisualStyles();

Application.SetCompatibleTextRenderingDefault(false);

Application.Run(new Form1());

}

}

}

**Form1.Designer.cs**

namespace Apdung1

{

partial class Form1

{

private System.ComponentModel.IContainer components = null;

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Windows Form Designer generated code

private void InitializeComponent()

{

this.groupBox1 = new System.Windows.Forms.GroupBox();

this.txtB = new System.Windows.Forms.TextBox();

this.txtA = new System.Windows.Forms.TextBox();

this.label2 = new System.Windows.Forms.Label();

this.label1 = new System.Windows.Forms.Label();

this.groupBox2 = new System.Windows.Forms.GroupBox();

this.radBSCNN = new System.Windows.Forms.RadioButton();

this.radUSCLN = new System.Windows.Forms.RadioButton();

this.groupBox3 = new System.Windows.Forms.GroupBox();

this.txtKetQua = new System.Windows.Forms.TextBox();

this.btnTim = new System.Windows.Forms.Button();

this.btnThoat = new System.Windows.Forms.Button();

this.groupBox1.SuspendLayout();

this.groupBox2.SuspendLayout();

this.groupBox3.SuspendLayout();

this.SuspendLayout();

this.groupBox1.BackColor = System.Drawing.Color.LightGreen;

this.groupBox1.Controls.Add(this.txtB);

this.groupBox1.Controls.Add(this.txtA);

this.groupBox1.Controls.Add(this.label2);

this.groupBox1.Controls.Add(this.label1);

this.groupBox1.Location = new System.Drawing.Point(12, 12);

this.groupBox1.Name = "groupBox1";

this.groupBox1.Size = new System.Drawing.Size(300, 100);

this.groupBox1.TabIndex = 0;

this.groupBox1.TabStop = false;

this.groupBox1.Text = "Nhập dữ liệu:";

//

// txtB

//

this.txtB.Location = new System.Drawing.Point(100, 60);

this.txtB.Name = "txtB";

this.txtB.Size = new System.Drawing.Size(150, 22);

this.txtB.TabIndex = 3;

//

// txtA

//

this.txtA.Location = new System.Drawing.Point(100, 25);

this.txtA.Name = "txtA";

this.txtA.Size = new System.Drawing.Size(150, 22);

this.txtA.TabIndex = 2;

this.label2.AutoSize = true;

this.label2.Location = new System.Drawing.Point(20, 65);

this.label2.Name = "label2";

this.label2.Size = new System.Drawing.Size(79, 16);

this.label2.TabIndex = 1;

this.label2.Text = "Số nguyên b:";

this.label1.AutoSize = true;

this.label1.Location = new System.Drawing.Point(20, 30);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(79, 16);

this.label1.TabIndex = 0;

this.label1.Text = "Số nguyên a:";

this.groupBox2.BackColor = System.Drawing.Color.LightGray;

this.groupBox2.Controls.Add(this.radBSCNN);

this.groupBox2.Controls.Add(this.radUSCLN);

this.groupBox2.Location = new System.Drawing.Point(320, 12);

this.groupBox2.Name = "groupBox2";

this.groupBox2.Size = new System.Drawing.Size(150, 100);

this.groupBox2.TabIndex = 1;

this.groupBox2.TabStop = false;

this.groupBox2.Text = "Tuỳ chọn:";

this.radBSCNN.AutoSize = true;

this.radBSCNN.Location = new System.Drawing.Point(30, 65);

this.radBSCNN.Name = "radBSCNN";

this.radBSCNN.Size = new System.Drawing.Size(74, 20);

this.radBSCNN.TabIndex = 1;

this.radBSCNN.TabStop = true;

this.radBSCNN.Text = "BSCNN";

this.radBSCNN.UseVisualStyleBackColor = true;

this.radUSCLN.AutoSize = true;

this.radUSCLN.Location = new System.Drawing.Point(30, 30);

this.radUSCLN.Name = "radUSCLN";

this.radUSCLN.Size = new System.Drawing.Size(74, 20);

this.radUSCLN.TabIndex = 0;

this.radUSCLN.TabStop = true;

this.radUSCLN.Text = "USCLN";

this.radUSCLN.UseVisualStyleBackColor = true;

this.groupBox3.Controls.Add(this.txtKetQua);

this.groupBox3.Location = new System.Drawing.Point(12, 130);

this.groupBox3.Name = "groupBox3";

this.groupBox3.Size = new System.Drawing.Size(458, 80);

this.groupBox3.TabIndex = 2;

this.groupBox3.TabStop = false;

this.groupBox3.Text = "Kết quả:";

this.txtKetQua.Location = new System.Drawing.Point(23, 35);

this.txtKetQua.Name = "txtKetQua";

this.txtKetQua.Size = new System.Drawing.Size(410, 22);

this.txtKetQua.TabIndex = 0;

this.btnTim.Location = new System.Drawing.Point(150, 230);

this.btnTim.Name = "btnTim";

this.btnTim.Size = new System.Drawing.Size(75, 30);

this.btnTim.TabIndex = 3;

this.btnTim.Text = "Tìm";

this.btnTim.UseVisualStyleBackColor = true;

this.btnTim.Click += new System.EventHandler(this.btnTim\_Click);

this.btnThoat.Location = new System.Drawing.Point(250, 230);

this.btnThoat.Name = "btnThoat";

this.btnThoat.Size = new System.Drawing.Size(75, 30);

this.btnThoat.TabIndex = 4;

this.btnThoat.Text = "Thoát";

this.btnThoat.UseVisualStyleBackColor = true;

this.btnThoat.Click += new System.EventHandler(this.btnThoat\_Click);

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.ClientSize = new System.Drawing.Size(482, 283);

this.Controls.Add(this.btnThoat);

this.Controls.Add(this.btnTim);

this.Controls.Add(this.groupBox3);

this.Controls.Add(this.groupBox2);

this.Controls.Add(this.groupBox1);

this.Name = "Form1";

this.Text = "Tìm USCLN và BSCNN của số nguyên a và b";

this.groupBox1.ResumeLayout(false);

this.groupBox1.PerformLayout();

this.groupBox2.ResumeLayout(false);

this.groupBox2.PerformLayout();

this.groupBox3.ResumeLayout(false);

this.groupBox3.PerformLayout();

this.ResumeLayout(false);

}

#endregion

private System.Windows.Forms.GroupBox groupBox1;

private System.Windows.Forms.TextBox txtB;

private System.Windows.Forms.TextBox txtA;

private System.Windows.Forms.Label label2;

private System.Windows.Forms.Label label1;

private System.Windows.Forms.GroupBox groupBox2;

private System.Windows.Forms.RadioButton radBSCNN;

private System.Windows.Forms.RadioButton radUSCLN;

private System.Windows.Forms.GroupBox groupBox3;

private System.Windows.Forms.TextBox txtKetQua;

private System.Windows.Forms.Button btnTim;

private System.Windows.Forms.Button btnThoat;

}

}

**Form1.cs**

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 Apdung1

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

// Hàm tính Ước số chung lớn nhất (USCLN)

private int UCLN(int a, int b)

{

while (b != 0)

{

int temp = b;

b = a % b;

a = temp;

}

return a;

}

// Hàm tính Bội số chung nhỏ nhất (BSCNN)

private int BSCNN(int a, int b)

{

return (a \* b) / UCLN(a, b);

}

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

{

try

{

int a = Convert.ToInt32(txtA.Text.Trim());

int b = Convert.ToInt32(txtB.Text.Trim());

if (radUSCLN.Checked) // Nếu chọn USCLN

{

txtKetQua.Text = "USCLN = " + UCLN(a, b).ToString();

}

else if (radBSCNN.Checked) // Nếu chọn BSCNN

{

txtKetQua.Text = "BSCNN = " + BSCNN(a, b).ToString();

}

else

{

MessageBox.Show("Vui lòng chọn USCLN hoặc BSCNN!");

}

}

catch (Exception ex)

{

MessageBox.Show("Lỗi nhập dữ liệu: " + ex.Message);

}

}

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

{

DialogResult result = MessageBox.Show("Bạn có chắc muốn thoát?",

"Xác nhận",

MessageBoxButtons.YesNo,

MessageBoxIcon.Question);

if (result == DialogResult.Yes)

{

this.Close();

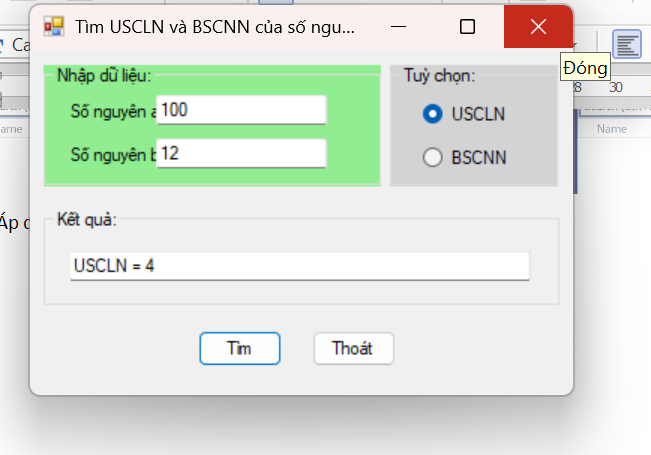
}

}

}

}

**kết quả :**



Áp dụng 2:

main

using System;

using System.Collections.Generic;

using System.Linq;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace Apdung2

{

internal static class Program

{

/// <summary>

/// The main entry point for the application.

/// </summary>

[STAThread]

static void Main()

{

Application.EnableVisualStyles();

Application.SetCompatibleTextRenderingDefault(false);

Application.Run(new Form1());

}

}

}

Form1.cs

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 Apdung2

{

public partial class Form1 : Form

{

// Danh sách mật khẩu cho từng nhóm

private readonly Dictionary<string, List<string>> passwords = new Dictionary<string, List<string>>()

{

{"Phát triển công nghệ", new List<string> {"1496", "2673"}},

{"Nghiên cứu viên", new List<string> {"7462"}},

{"Thiết kế mô hình", new List<string> {"8884", "3842", "3383"}}

};

public Form1()

{

InitializeComponent();

}

// Xử lý khi bấm phím số

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

{

Button btn = sender as Button;

txtPassword.Text += btn.Text;

}

// Xóa password

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

{

txtPassword.Clear();

}

// Kiểm tra mật khẩu

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

{

string pwd = txtPassword.Text.Trim();

string nhom = "Không có";

string ketqua = "Từ chối!";

foreach (var kvp in passwords)

{

if (kvp.Value.Contains(pwd))

{

nhom = kvp.Key;

ketqua = "Chấp nhận!";

break;

}

}

// Ghi vào log

ListViewItem item = new ListViewItem(DateTime.Now.ToString());

item.SubItems.Add(nhom);

item.SubItems.Add(ketqua);

lvLog.Items.Add(item);

txtPassword.Clear();

}

// Báo động

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

{

MessageBox.Show(" Báo độnd", "RING", MessageBoxButtons.OK, MessageBoxIcon.Warning);

}

}

}

Form1.Designer.cs

using System.Windows.Forms;

namespace Apdung2

{

partial class Form1

{

private System.ComponentModel.IContainer components = null;

private System.Windows.Forms.TextBox txtPassword;

private System.Windows.Forms.Button btnClear;

private System.Windows.Forms.Button btnEnter;

private System.Windows.Forms.Button btnRing;

private System.Windows.Forms.ListView lvLog;

private void InitializeComponent()

{

this.txtPassword = new System.Windows.Forms.TextBox();

this.btnClear = new System.Windows.Forms.Button();

this.btnEnter = new System.Windows.Forms.Button();

this.btnRing = new System.Windows.Forms.Button();

this.lvLog = new System.Windows.Forms.ListView();

this.SuspendLayout();

// txtPassword

this.txtPassword.Location = new System.Drawing.Point(100, 20);

this.txtPassword.Size = new System.Drawing.Size(250, 22);

this.txtPassword.UseSystemPasswordChar = true;

// Buttons số

int x = 50, y = 60;

for (int i = 1; i <= 9; i++)

{

Button btn = new Button();

btn.Text = i.ToString();

btn.Size = new System.Drawing.Size(50, 40);

btn.Location = new System.Drawing.Point(x, y);

btn.Click += new System.EventHandler(this.btnNum\_Click);

this.Controls.Add(btn);

x += 60;

if (i % 3 == 0) { x = 50; y += 50; }

}

// btnClear

this.btnClear.Text = "Clear";

this.btnClear.BackColor = System.Drawing.Color.Yellow;

this.btnClear.Location = new System.Drawing.Point(250, 60);

this.btnClear.Size = new System.Drawing.Size(80, 40);

this.btnClear.Click += new System.EventHandler(this.btnClear\_Click);

// btnEnter

this.btnEnter.Text = "Enter";

this.btnEnter.BackColor = System.Drawing.Color.LimeGreen;

this.btnEnter.Location = new System.Drawing.Point(250, 110);

this.btnEnter.Size = new System.Drawing.Size(80, 40);

this.btnEnter.Click += new System.EventHandler(this.btnEnter\_Click);

// btnRing

this.btnRing.Text = "RING";

this.btnRing.BackColor = System.Drawing.Color.Red;

this.btnRing.Location = new System.Drawing.Point(250, 160);

this.btnRing.Size = new System.Drawing.Size(80, 40);

this.btnRing.Click += new System.EventHandler(this.btnRing\_Click);

// lvLog

this.lvLog.Location = new System.Drawing.Point(20, 220);

this.lvLog.Size = new System.Drawing.Size(400, 200);

this.lvLog.View = View.Details;

this.lvLog.Columns.Add("Ngày giờ", 150);

this.lvLog.Columns.Add("Nhóm", 120);

this.lvLog.Columns.Add("Kết quả", 100);

// Form1

this.ClientSize = new System.Drawing.Size(450, 450);

this.Controls.Add(this.txtPassword);

this.Controls.Add(this.btnClear);

this.Controls.Add(this.btnEnter);

this.Controls.Add(this.btnRing);

this.Controls.Add(this.lvLog);

this.Text = "Security Panel";

this.ResumeLayout(false);

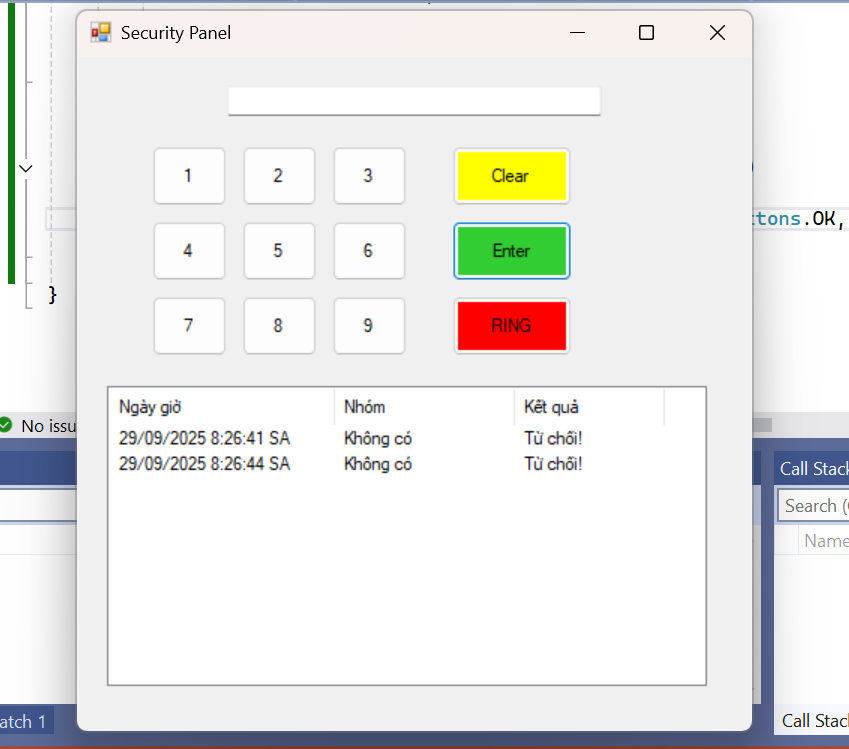
this.PerformLayout();

}

}

}

kết quả :



**Thực hành 2:**

**main:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace Thuhanh2

{

internal static class Program

{

[STAThread]

static void Main()

{

Application.EnableVisualStyles();

Application.SetCompatibleTextRenderingDefault(false);

Application.Run(new Form1());

}

}

}

**Form1.cs**

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 Thuhanh2

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

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

{

double thanhTien = 0;

if (ValidateChildren(ValidationConstraints.Enabled))

{

if (chkLayCaoRang.Checked)

thanhTien += 50000;

if (chkTayTrangRang.Checked)

thanhTien += 100000;

if (chkHanRang.Checked)

thanhTien += (int)nupHanRang.Value \* 100000;

if (chkBeRang.Checked)

thanhTien += (int)nupBeRang.Value \* 10000;

if (chkBocRang.Checked)

thanhTien += (int)nupBocRang.Value \* 1000000;

txtThanhTien.Text = thanhTien.ToString("N0") + " VND";

}

}

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

{

this.Close();

}

private void txtTenKH\_Validating(object sender, CancelEventArgs e)

{

if (string.IsNullOrEmpty(txtTenKH.Text.Trim()))

{

e.Cancel = true;

txtTenKH.Focus();

err.SetError(txtTenKH, "Tên khách hàng không được để trống!");

}

else

{

e.Cancel = false;

err.SetError(txtTenKH, null);

}

}

}

}

**Form1.Designer**

namespace Thuhanh2

{

partial class Form1

{

private System.ComponentModel.IContainer components = null;

private System.Windows.Forms.Label lblTitle;

private System.Windows.Forms.Label lblTenKH;

private System.Windows.Forms.TextBox txtTenKH;

private System.Windows.Forms.GroupBox groupBox1;

private System.Windows.Forms.CheckBox chkLayCaoRang;

private System.Windows.Forms.CheckBox chkTayTrangRang;

private System.Windows.Forms.CheckBox chkHanRang;

private System.Windows.Forms.NumericUpDown nupHanRang;

private System.Windows.Forms.CheckBox chkBeRang;

private System.Windows.Forms.NumericUpDown nupBeRang;

private System.Windows.Forms.CheckBox chkBocRang;

private System.Windows.Forms.NumericUpDown nupBocRang;

private System.Windows.Forms.Label lblThanhTien;

private System.Windows.Forms.TextBox txtThanhTien;

private System.Windows.Forms.Button btnTinhTien;

private System.Windows.Forms.Button btnThoat;

private System.Windows.Forms.ErrorProvider err;

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

private void InitializeComponent()

{

this.components = new System.ComponentModel.Container();

this.lblTitle = new System.Windows.Forms.Label();

this.lblTenKH = new System.Windows.Forms.Label();

this.txtTenKH = new System.Windows.Forms.TextBox();

this.groupBox1 = new System.Windows.Forms.GroupBox();

this.chkLayCaoRang = new System.Windows.Forms.CheckBox();

this.chkTayTrangRang = new System.Windows.Forms.CheckBox();

this.chkHanRang = new System.Windows.Forms.CheckBox();

this.nupHanRang = new System.Windows.Forms.NumericUpDown();

this.chkBeRang = new System.Windows.Forms.CheckBox();

this.nupBeRang = new System.Windows.Forms.NumericUpDown();

this.chkBocRang = new System.Windows.Forms.CheckBox();

this.nupBocRang = new System.Windows.Forms.NumericUpDown();

this.lblThanhTien = new System.Windows.Forms.Label();

this.txtThanhTien = new System.Windows.Forms.TextBox();

this.btnTinhTien = new System.Windows.Forms.Button();

this.btnThoat = new System.Windows.Forms.Button();

this.err = new System.Windows.Forms.ErrorProvider(this.components);

this.groupBox1.SuspendLayout();

((System.ComponentModel.ISupportInitialize)(this.nupHanRang)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.nupBeRang)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.nupBocRang)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.err)).BeginInit();

this.SuspendLayout();

this.lblTitle.BackColor = System.Drawing.Color.Green;

this.lblTitle.Dock = System.Windows.Forms.DockStyle.Top;

this.lblTitle.Font = new System.Drawing.Font("Arial", 16F, System.Drawing.FontStyle.Bold);

this.lblTitle.ForeColor = System.Drawing.Color.White;

this.lblTitle.Location = new System.Drawing.Point(0, 0);

this.lblTitle.Name = "lblTitle";

this.lblTitle.Size = new System.Drawing.Size(600, 50);

this.lblTitle.Text = "PHÒNG KHÁM NHA KHOA HẢI ÂU";

this.lblTitle.TextAlign = System.Drawing.ContentAlignment.MiddleCenter;

this.lblTenKH.AutoSize = true;

this.lblTenKH.Location = new System.Drawing.Point(20, 70);

this.lblTenKH.Text = "Tên khách hàng:";

this.txtTenKH.Location = new System.Drawing.Point(140, 67);

this.txtTenKH.Validating += new System.ComponentModel.CancelEventHandler(this.txtTenKH\_Validating);

this.groupBox1.Controls.Add(this.chkLayCaoRang);

this.groupBox1.Controls.Add(this.chkTayTrangRang);

this.groupBox1.Controls.Add(this.chkHanRang);

this.groupBox1.Controls.Add(this.nupHanRang);

this.groupBox1.Controls.Add(this.chkBeRang);

this.groupBox1.Controls.Add(this.nupBeRang);

this.groupBox1.Controls.Add(this.chkBocRang);

this.groupBox1.Controls.Add(this.nupBocRang);

this.groupBox1.Location = new System.Drawing.Point(20, 100);

this.groupBox1.Size = new System.Drawing.Size(550, 150);

this.groupBox1.Text = "Dịch vụ tại phòng khám";

this.chkLayCaoRang.AutoSize = true;

this.chkLayCaoRang.Location = new System.Drawing.Point(20, 25);

this.chkLayCaoRang.Text = "Lấy cao răng - 50.000đ/2 hàm";

this.chkTayTrangRang.AutoSize = true;

this.chkTayTrangRang.Location = new System.Drawing.Point(20, 50);

this.chkTayTrangRang.Text = "Tẩy trắng răng - 100.000đ/2 hàm";

this.chkHanRang.AutoSize = true;

this.chkHanRang.Location = new System.Drawing.Point(20, 75);

this.chkHanRang.Text = "Hàn răng - 100.000đ/1 răng";

this.nupHanRang.Location = new System.Drawing.Point(300, 73);

this.nupHanRang.Minimum = 1;

this.nupHanRang.Maximum = 32;

this.nupHanRang.Value = 1;

this.chkBeRang.AutoSize = true;

this.chkBeRang.Location = new System.Drawing.Point(20, 100);

this.chkBeRang.Text = "Bẻ răng - 10.000đ/1 răng";

this.nupBeRang.Location = new System.Drawing.Point(300, 98);

this.nupBeRang.Minimum = 1;

this.nupBeRang.Maximum = 32;

this.nupBeRang.Value = 1;

this.chkBocRang.AutoSize = true;

this.chkBocRang.Location = new System.Drawing.Point(20, 125);

this.chkBocRang.Text = "Bọc răng - 1.000.000đ/1 răng";

this.nupBocRang.Location = new System.Drawing.Point(300, 123);

this.nupBocRang.Minimum = 1;

this.nupBocRang.Maximum = 32;

this.nupBocRang.Value = 1;

this.lblThanhTien.AutoSize = true;

this.lblThanhTien.Location = new System.Drawing.Point(20, 270);

this.lblThanhTien.Text = "Thành tiền:";

this.txtThanhTien.Location = new System.Drawing.Point(140, 267);

this.txtThanhTien.ReadOnly = true;

this.btnTinhTien.Location = new System.Drawing.Point(140, 310);

this.btnTinhTien.Text = "Tính tiền";

this.btnTinhTien.Click += new System.EventHandler(this.btnTinhTien\_Click);

this.btnThoat.Location = new System.Drawing.Point(250, 310);

this.btnThoat.Text = "Thoát";

this.btnThoat.Click += new System.EventHandler(this.btnThoat\_Click);

this.err.ContainerControl = this;

// Form1

this.ClientSize = new System.Drawing.Size(600, 360);

this.Controls.Add(this.lblTitle);

this.Controls.Add(this.lblTenKH);

this.Controls.Add(this.txtTenKH);

this.Controls.Add(this.groupBox1);

this.Controls.Add(this.lblThanhTien);

this.Controls.Add(this.txtThanhTien);

this.Controls.Add(this.btnTinhTien);

this.Controls.Add(this.btnThoat);

this.Name = "Form1";

this.Text = "Phòng khám nha khoa Hải Âu";

this.groupBox1.ResumeLayout(false);

this.groupBox1.PerformLayout();

((System.ComponentModel.ISupportInitialize)(this.nupHanRang)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.nupBeRang)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.nupBocRang)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.err)).EndInit();

this.ResumeLayout(false);

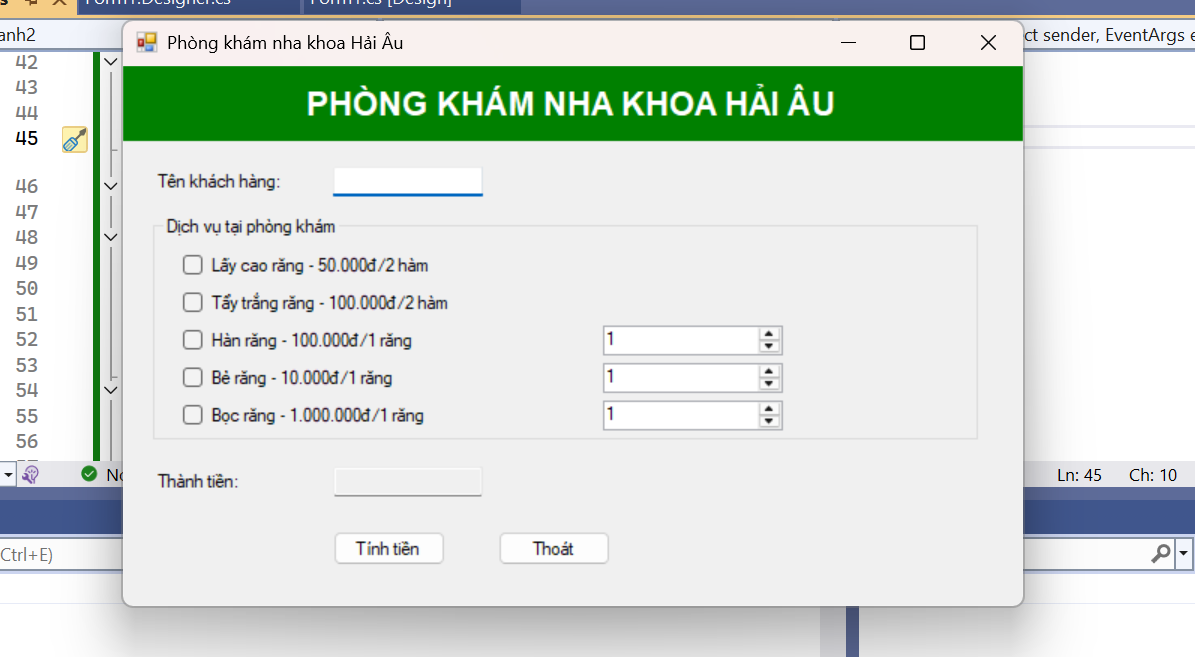
this.PerformLayout();

}

}

}

**kết quả :**



**Áp dụng 3:**

**main**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace Ap\_dung\_3

{

internal static class Program

{

/// <summary>

/// The main entry point for the application.

/// </summary>

[STAThread]

static void Main()

{

Application.EnableVisualStyles();

Application.SetCompatibleTextRenderingDefault(false);

Application.Run(new Form1());

}

}

}

**Form1.cs**

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 Ap\_dung\_3

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

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

{

string username = txtUsername.Text.Trim();

string password = txtPassword.Text.Trim();

if (string.IsNullOrEmpty(username))

{

MessageBox.Show("Vui lòng nhập Username!", "Thông báo", MessageBoxButtons.OK, MessageBoxIcon.Warning);

txtUsername.Focus();

return;

}

if (string.IsNullOrEmpty(password))

{

MessageBox.Show("Vui lòng nhập Password!", "Thông báo", MessageBoxButtons.OK, MessageBoxIcon.Warning);

txtPassword.Focus();

return;

}

if (username == "binh" && password == "171204")

{

MessageBox.Show("Đăng nhập thành công!", "Thông báo", MessageBoxButtons.OK, MessageBoxIcon.Information);

}

else

{

MessageBox.Show("Sai Username hoặc Password!", "Lỗi", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

}

}

**Form1.Designer.cs**

namespace Ap\_dung\_3

{

partial class Form1

{

private System.ComponentModel.IContainer components = null;

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

private void InitializeComponent()

{

this.lblUsername = new System.Windows.Forms.Label();

this.lblPassword = new System.Windows.Forms.Label();

this.txtUsername = new System.Windows.Forms.TextBox();

this.txtPassword = new System.Windows.Forms.TextBox();

this.btnLogin = new System.Windows.Forms.Button();

this.SuspendLayout();

this.lblUsername.AutoSize = true;

this.lblUsername.Location = new System.Drawing.Point(40, 40);

this.lblUsername.Name = "lblUsername";

this.lblUsername.Size = new System.Drawing.Size(70, 16);

this.lblUsername.TabIndex = 0;

this.lblUsername.Text = "Username:";

this.lblPassword.AutoSize = true;

this.lblPassword.Location = new System.Drawing.Point(40, 80);

this.lblPassword.Name = "lblPassword";

this.lblPassword.Size = new System.Drawing.Size(67, 16);

this.lblPassword.TabIndex = 1;

this.lblPassword.Text = "Password:";

this.txtUsername.Location = new System.Drawing.Point(130, 37);

this.txtUsername.Name = "txtUsername";

this.txtUsername.Size = new System.Drawing.Size(180, 22);

this.txtUsername.TabIndex = 2;

this.txtPassword.Location = new System.Drawing.Point(130, 77);

this.txtPassword.Name = "txtPassword";

this.txtPassword.Size = new System.Drawing.Size(180, 22);

this.txtPassword.TabIndex = 3;

this.txtPassword.UseSystemPasswordChar = true;

this.btnLogin.Location = new System.Drawing.Point(130, 120);

this.btnLogin.Name = "btnLogin";

this.btnLogin.Size = new System.Drawing.Size(90, 30);

this.btnLogin.TabIndex = 4;

this.btnLogin.Text = "Login";

this.btnLogin.UseVisualStyleBackColor = true;

this.btnLogin.Click += new System.EventHandler(this.btnLogin\_Click);

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.ClientSize = new System.Drawing.Size(380, 200);

this.Controls.Add(this.btnLogin);

this.Controls.Add(this.txtPassword);

this.Controls.Add(this.txtUsername);

this.Controls.Add(this.lblPassword);

this.Controls.Add(this.lblUsername);

this.Name = "Form1";

this.Text = "Login Form";

this.ResumeLayout(false);

this.PerformLayout();

}

private System.Windows.Forms.Label lblUsername;

private System.Windows.Forms.Label lblPassword;

private System.Windows.Forms.TextBox txtUsername;

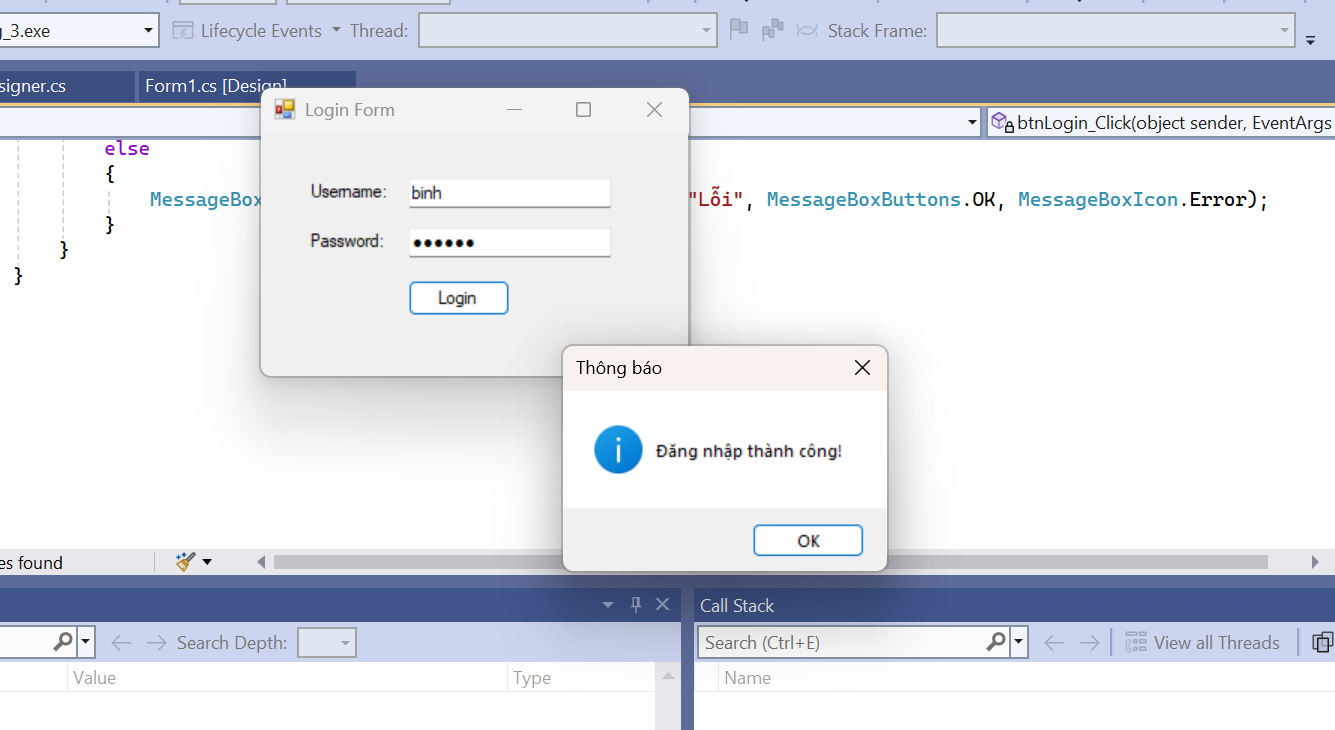
private System.Windows.Forms.TextBox txtPassword;

private System.Windows.Forms.Button btnLogin;

}

}

**Kết quả:**

****

**Thực hành 3:**

**main:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace thuc\_hanh3

{

internal static class Program

{

/// <summary>

/// The main entry point for the application.

/// </summary>

[STAThread]

static void Main()

{

Application.EnableVisualStyles();

Application.SetCompatibleTextRenderingDefault(false);

Application.Run(new Form1());

}

}

}

**Form1.cs:**

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 thuc\_hanh3

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void Form1\_Load(object sender, EventArgs e)

{

lsbDaySo.Items.Clear();

}

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

{

DialogResult result = MessageBox.Show("Bạn có thực sự muốn thoát?",

"Xác nhận thoát", MessageBoxButtons.YesNo, MessageBoxIcon.Question);

if (result == DialogResult.Yes)

Close();

}

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

{

int a;

string num = txtInput.Text.Trim();

if (int.TryParse(num, out a))

{

lsbDaySo.Items.Add(a);

txtInput.Clear();

txtInput.Focus();

}

else

{

MessageBox.Show("Không phải số nguyên! Hãy nhập lại!", "Thông báo",

MessageBoxButtons.OK, MessageBoxIcon.Warning);

txtInput.Clear();

txtInput.Focus();

}

}

private void btnTang2\_Click(object sender, EventArgs e)

{

if (lsbDaySo.Items.Count == 0)

{

MessageBox.Show("Dãy số đang trống. Vui lòng nhập dữ liệu!",

"Thông báo!", MessageBoxButtons.OK, MessageBoxIcon.Error);

txtInput.Focus();

}

else

{

for (int i = 0; i < lsbDaySo.Items.Count; i++)

{

lsbDaySo.Items[i] = (int)lsbDaySo.Items[i] + 2;

}

}

}

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

{

if (lsbDaySo.Items.Count == 0)

{

MessageBox.Show("Dãy số đang trống. Vui lòng nhập dữ liệu!",

"Thông báo!", MessageBoxButtons.OK, MessageBoxIcon.Error);

txtInput.Focus();

}

else

{

for (int i = 0; i < lsbDaySo.Items.Count; i++)

{

if ((int)lsbDaySo.Items[i] % 2 == 0)

{

lsbDaySo.SelectedIndex = i;

break;

}

}

}

}

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

{

if (lsbDaySo.Items.Count == 0)

{

MessageBox.Show("Dãy số đang trống. Vui lòng nhập dữ liệu!",

"Thông báo!", MessageBoxButtons.OK, MessageBoxIcon.Error);

txtInput.Focus();

}

else

{

for (int i = lsbDaySo.Items.Count - 1; i >= 0; i--)

{

if ((int)lsbDaySo.Items[i] % 2 != 0)

{

lsbDaySo.SelectedIndex = i;

break;

}

}

}

}

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

{

if (lsbDaySo.Items.Count == 0)

{

MessageBox.Show("Dãy số đang trống. Vui lòng nhập dữ liệu!",

"Thông báo!", MessageBoxButtons.OK, MessageBoxIcon.Error);

txtInput.Focus();

}

else if (lsbDaySo.SelectedIndex == -1)

{

MessageBox.Show("Bạn chưa chọn số cần xóa!", "Thông báo!",

MessageBoxButtons.OK, MessageBoxIcon.Error);

}

else

{

while (lsbDaySo.SelectedIndex != -1)

{

lsbDaySo.Items.RemoveAt(lsbDaySo.SelectedIndex);

}

}

}

// Xóa phần tử đầu tiên

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

{

if (lsbDaySo.Items.Count == 0)

{

MessageBox.Show("Dãy số đang trống. Vui lòng nhập dữ liệu!",

"Thông báo!", MessageBoxButtons.OK, MessageBoxIcon.Error);

txtInput.Focus();

}

else

{

lsbDaySo.Items.RemoveAt(0);

}

}

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

{

if (lsbDaySo.Items.Count == 0)

{

MessageBox.Show("Dãy số đang trống. Vui lòng nhập dữ liệu!",

"Thông báo!", MessageBoxButtons.OK, MessageBoxIcon.Error);

txtInput.Focus();

}

else

{

lsbDaySo.Items.RemoveAt(lsbDaySo.Items.Count - 1);

}

}

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

{

lsbDaySo.Items.Clear();

}

}

}

**Form1.Designer.cs**

namespace thuc\_hanh3

{

partial class Form1

{

private System.ComponentModel.IContainer components = null;

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

private void InitializeComponent()

{

this.lblTitle = new System.Windows.Forms.Label();

this.lblNhapSo = new System.Windows.Forms.Label();

this.txtInput = new System.Windows.Forms.TextBox();

this.btnInput = new System.Windows.Forms.Button();

this.lsbDaySo = new System.Windows.Forms.ListBox();

this.groupBox1 = new System.Windows.Forms.GroupBox();

this.btnTang2 = new System.Windows.Forms.Button();

this.btnChanDau = new System.Windows.Forms.Button();

this.btnLeCuoi = new System.Windows.Forms.Button();

this.btnXoaChon = new System.Windows.Forms.Button();

this.btnXoaDau = new System.Windows.Forms.Button();

this.btnXoaCuoi = new System.Windows.Forms.Button();

this.btnXoaDaySo = new System.Windows.Forms.Button();

this.btnClose = new System.Windows.Forms.Button();

this.groupBox1.SuspendLayout();

this.SuspendLayout();

this.lblTitle.BackColor = System.Drawing.Color.Turquoise;

this.lblTitle.Dock = System.Windows.Forms.DockStyle.Top;

this.lblTitle.Font = new System.Drawing.Font("Microsoft Sans Serif", 14F, System.Drawing.FontStyle.Bold);

this.lblTitle.ForeColor = System.Drawing.Color.Black;

this.lblTitle.Location = new System.Drawing.Point(0, 0);

this.lblTitle.Name = "lblTitle";

this.lblTitle.Size = new System.Drawing.Size(600, 40);

this.lblTitle.TabIndex = 0;

this.lblTitle.Text = "Ứng dụng xử lý dãy số";

this.lblTitle.TextAlign = System.Drawing.ContentAlignment.MiddleCenter;

this.lblNhapSo.AutoSize = true;

this.lblNhapSo.Location = new System.Drawing.Point(20, 60);

this.lblNhapSo.Name = "lblNhapSo";

this.lblNhapSo.Size = new System.Drawing.Size(65, 16);

this.lblNhapSo.TabIndex = 1;

this.lblNhapSo.Text = "Nhập số:";

this.txtInput.Location = new System.Drawing.Point(100, 57);

this.txtInput.Name = "txtInput";

this.txtInput.Size = new System.Drawing.Size(150, 22);

this.txtInput.TabIndex = 2;

this.btnInput.Location = new System.Drawing.Point(270, 55);

this.btnInput.Name = "btnInput";

this.btnInput.Size = new System.Drawing.Size(80, 25);

this.btnInput.TabIndex = 3;

this.btnInput.Text = "Nhập số";

this.btnInput.UseVisualStyleBackColor = true;

this.btnInput.Click += new System.EventHandler(this.btnInput\_Click);

this.lsbDaySo.FormattingEnabled = true;

this.lsbDaySo.ItemHeight = 16;

this.lsbDaySo.Location = new System.Drawing.Point(20, 100);

this.lsbDaySo.Name = "lsbDaySo";

this.lsbDaySo.Size = new System.Drawing.Size(180, 260);

this.lsbDaySo.TabIndex = 4;

this.groupBox1.Controls.Add(this.btnTang2);

this.groupBox1.Controls.Add(this.btnChanDau);

this.groupBox1.Controls.Add(this.btnLeCuoi);

this.groupBox1.Controls.Add(this.btnXoaChon);

this.groupBox1.Controls.Add(this.btnXoaDau);

this.groupBox1.Controls.Add(this.btnXoaCuoi);

this.groupBox1.Location = new System.Drawing.Point(220, 100);

this.groupBox1.Name = "groupBox1";

this.groupBox1.Size = new System.Drawing.Size(200, 260);

this.groupBox1.TabIndex = 5;

this.groupBox1.TabStop = false;

this.groupBox1.Text = "Chức năng";

this.btnTang2.Location = new System.Drawing.Point(20, 30);

this.btnTang2.Name = "btnTang2";

this.btnTang2.Size = new System.Drawing.Size(150, 30);

this.btnTang2.TabIndex = 0;

this.btnTang2.Text = "Tăng mỗi phần tử lên 2";

this.btnTang2.UseVisualStyleBackColor = true;

this.btnTang2.Click += new System.EventHandler(this.btnTang2\_Click);

this.btnChanDau.Location = new System.Drawing.Point(20, 70);

this.btnChanDau.Name = "btnChanDau";

this.btnChanDau.Size = new System.Drawing.Size(150, 30);

this.btnChanDau.TabIndex = 1;

this.btnChanDau.Text = "Chọn số chẵn đầu";

this.btnChanDau.UseVisualStyleBackColor = true;

this.btnChanDau.Click += new System.EventHandler(this.btnChanDau\_Click);

this.btnLeCuoi.Location = new System.Drawing.Point(20, 110);

this.btnLeCuoi.Name = "btnLeCuoi";

this.btnLeCuoi.Size = new System.Drawing.Size(150, 30);

this.btnLeCuoi.TabIndex = 2;

this.btnLeCuoi.Text = "Chọn số lẻ cuối";

this.btnLeCuoi.UseVisualStyleBackColor = true;

this.btnLeCuoi.Click += new System.EventHandler(this.btnLeCuoi\_Click);

this.btnXoaChon.Location = new System.Drawing.Point(20, 150);

this.btnXoaChon.Name = "btnXoaChon";

this.btnXoaChon.Size = new System.Drawing.Size(150, 30);

this.btnXoaChon.TabIndex = 3;

this.btnXoaChon.Text = "Xóa phần tử chọn";

this.btnXoaChon.UseVisualStyleBackColor = true;

this.btnXoaChon.Click += new System.EventHandler(this.btnXoaChon\_Click);

this.btnXoaDau.Location = new System.Drawing.Point(20, 190);

this.btnXoaDau.Name = "btnXoaDau";

this.btnXoaDau.Size = new System.Drawing.Size(150, 30);

this.btnXoaDau.TabIndex = 4;

this.btnXoaDau.Text = "Xóa phần tử đầu";

this.btnXoaDau.UseVisualStyleBackColor = true;

this.btnXoaDau.Click += new System.EventHandler(this.btnXoaDau\_Click);

this.btnXoaCuoi.Location = new System.Drawing.Point(20, 230);

this.btnXoaCuoi.Name = "btnXoaCuoi";

this.btnXoaCuoi.Size = new System.Drawing.Size(150, 30);

this.btnXoaCuoi.TabIndex = 5;

this.btnXoaCuoi.Text = "Xóa phần tử cuối";

this.btnXoaCuoi.UseVisualStyleBackColor = true;

this.btnXoaCuoi.Click += new System.EventHandler(this.btnXoaCuoi\_Click);

this.btnXoaDaySo.BackColor = System.Drawing.Color.Gray;

this.btnXoaDaySo.ForeColor = System.Drawing.Color.White;

this.btnXoaDaySo.Location = new System.Drawing.Point(220, 380);

this.btnXoaDaySo.Name = "btnXoaDaySo";

this.btnXoaDaySo.Size = new System.Drawing.Size(120, 35);

this.btnXoaDaySo.TabIndex = 6;

this.btnXoaDaySo.Text = "Xóa dãy số";

this.btnXoaDaySo.UseVisualStyleBackColor = false;

this.btnXoaDaySo.Click += new System.EventHandler(this.btnXoaDaySo\_Click);

this.btnClose.BackColor = System.Drawing.Color.Red;

this.btnClose.ForeColor = System.Drawing.Color.White;

this.btnClose.Location = new System.Drawing.Point(20, 380);

this.btnClose.Name = "btnClose";

this.btnClose.Size = new System.Drawing.Size(180, 35);

this.btnClose.TabIndex = 7;

this.btnClose.Text = "Kết thúc ứng dụng";

this.btnClose.UseVisualStyleBackColor = false;

this.btnClose.Click += new System.EventHandler(this.btnClose\_Click);

this.ClientSize = new System.Drawing.Size(600, 450);

this.Controls.Add(this.btnClose);

this.Controls.Add(this.btnXoaDaySo);

this.Controls.Add(this.groupBox1);

this.Controls.Add(this.lsbDaySo);

this.Controls.Add(this.btnInput);

this.Controls.Add(this.txtInput);

this.Controls.Add(this.lblNhapSo);

this.Controls.Add(this.lblTitle);

this.Name = "Form1";

this.Text = "Ứng dụng xử lý dãy số";

this.Load += new System.EventHandler(this.Form1\_Load);

this.groupBox1.ResumeLayout(false);

this.ResumeLayout(false);

this.PerformLayout();

}

private System.Windows.Forms.Label lblTitle;

private System.Windows.Forms.Label lblNhapSo;

private System.Windows.Forms.TextBox txtInput;

private System.Windows.Forms.Button btnInput;

private System.Windows.Forms.ListBox lsbDaySo;

private System.Windows.Forms.GroupBox groupBox1;

private System.Windows.Forms.Button btnTang2;

private System.Windows.Forms.Button btnChanDau;

private System.Windows.Forms.Button btnLeCuoi;

private System.Windows.Forms.Button btnXoaChon;

private System.Windows.Forms.Button btnXoaDau;

private System.Windows.Forms.Button btnXoaCuoi;

private System.Windows.Forms.Button btnXoaDaySo;

private System.Windows.Forms.Button btnClose;

} }

**Kết quả :**

