**Bài tập tuần 1**

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**Link And LinkLabel**

private void frmLinkLabel\_Load(Object sender, EventArgs e)

{

string strURL = "mailto:ctk43@gmail.com";

this.lnklb1.Links.Add(0, strURL.Length, strURL);

strURL = "http://www.cnttk43.net";

this.lnklb2.Links.Add(0, strURL.Length, strURL);

}

private void lnklb1\_LinkClicked(object sender, LinkLabelLinkClickedEventArgs e)

{

string strURL = Convert.ToString(e.Link.LinkData);

if (strURL.StartsWith("mailto:"))

Process.Start(strURL + "?subject=hello");

}

private void lnklb2\_LinkClicked(object sender, LinkLabelLinkClickedEventArgs e)

{

string strURL = Convert.ToString(e.Link.LinkData);

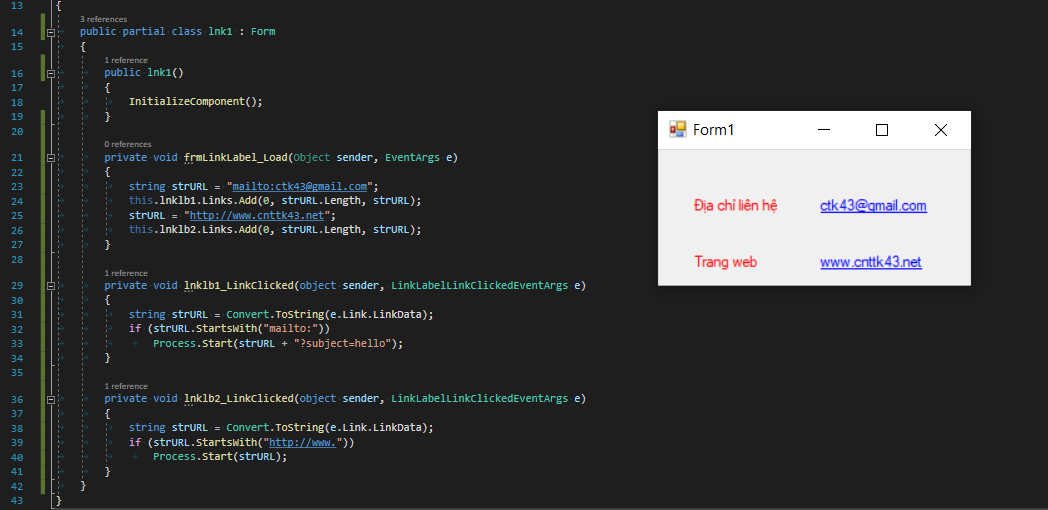
if (strURL.StartsWith("http://www."))

Process.Start(strURL);

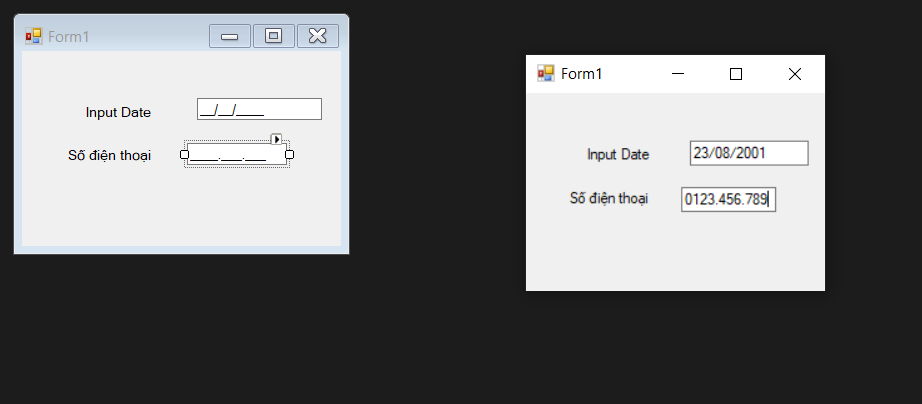
}

}

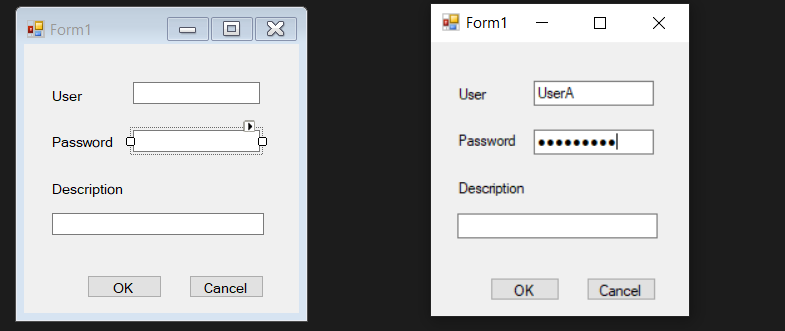
}



**MaskedTextBox**



**Label, Button, TextBox**



**MessageBox**

**Code**

private void bt1\_Click(object sender, EventArgs e)

{

var loginName = bt1.Text;

var password = bt2.Text;

if (loginName.CompareTo("UserA") == 0 && password.CompareTo("1") == 0)

{

this.DialogResult = DialogResult.OK;

}

else

{

tB3.Text = "Sai tên đăng nhập hoặc mật khẩu";

}

}

private void bt2\_Click(object sender, EventArgs e)

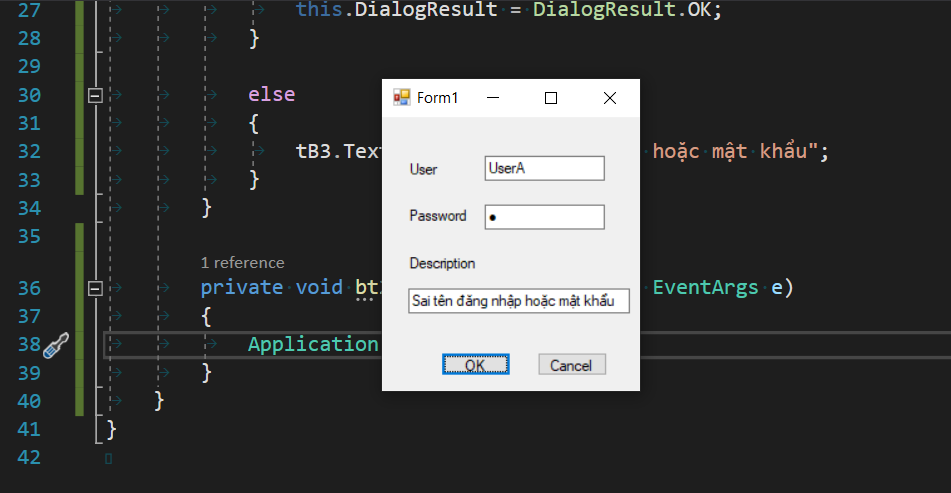
{

Application.Exit();

}

}

}



**Combo Box**

**Code:**

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

{

string[] datas = { "Tiếng Anh", "Tiếng Pháp", "Tiếng Nhật" };

this.CBBox1.DataSource = datas;

}

private void CBBox1\_SelectedIndexChanged(object sender, EventArgs e)

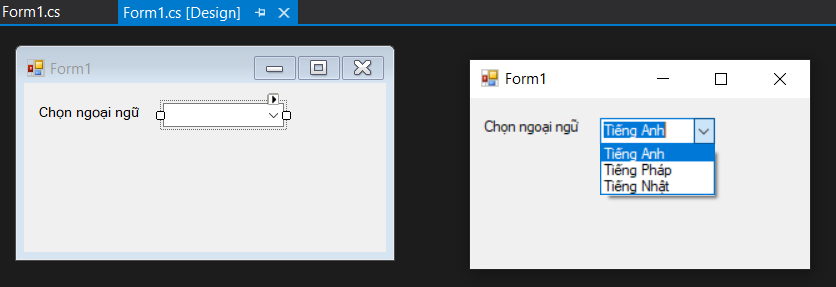
{

MessageBox.Show(this.CBBox1.SelectedItem.ToString());

}

}

}

****

**List Box**

**Code:**

namespace ListBox

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

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

{

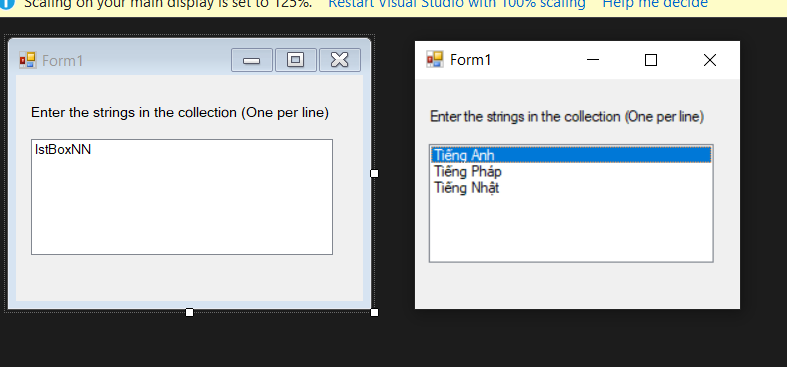
string[] datas = { "Tiếng Anh", "Tiếng Pháp", "Tiếng Nhật" };

this.lstBoxNN.DataSource = datas;

}

}

}



**Button, Check Box, Radio Button**

**Code**

private void chkMauChu\_CheckedChanged(object sender, EventArgs e)

{

if (this.chkMauChu.Checked)

this.btnButton.ForeColor = Color.Red;

else

this.btnButton.ForeColor = Color.Black;

}

private void chkMauNen\_CheckedChanged(object sender, EventArgs e)

{

if (this.chkMauNen.Checked)

this.btnButton.BackColor = Color.LightCyan;

else

this.btnButton.BackColor = this.btnFlat.BackColor;

}

private void rdFlat\_CheckedChanged(object sender, EventArgs e)

{

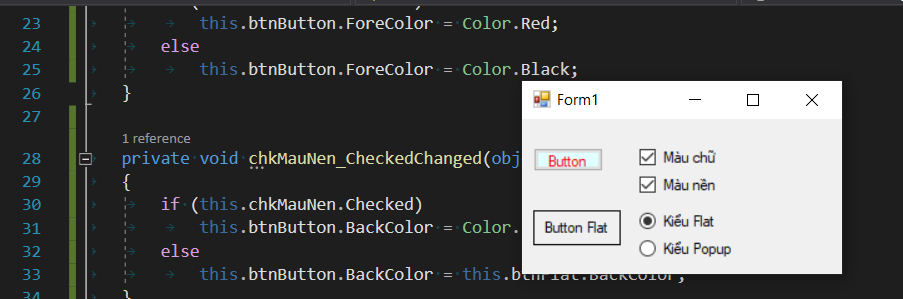
if (this.rdFlat.Checked)

this.btnFlat.FlatStyle = FlatStyle.Flat;

else

this.btnFlat.FlatStyle = FlatStyle.Popup;

}



**Check List Box**

**Code**

private void chkLBMonHoc\_SelectedIndexChanged(object sender, EventArgs e)

{

string s = "";

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

{

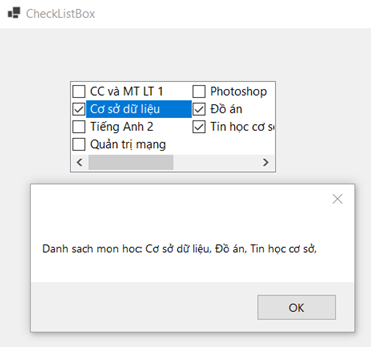
if (this.chkLBMonHoc.GetItemChecked(i) == true)

s += this.chkLBMonHoc.Items[i].ToString() + ", ";

}

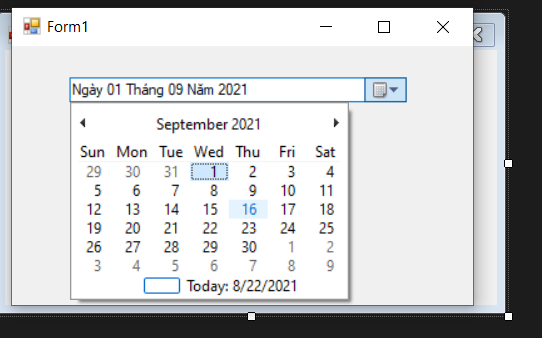
MessageBox.Show("Danh sach mon hoc: " + s);

}



**Datetime picker: Set format thành custom, sau đó vào custom format chỉnh thành:**

**‘Ngày’ dd ‘Tháng’ MM ‘Năm’ yyyy**

****

**Tab control**

**Code**

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

{

this.tabControl2.TabPages.Clear();

TabPage tabSV = new TabPage();

TabPage tabGV = new TabPage();

TabPage tabMH = new TabPage();

tabSV.Text = "Sinh viên";

tabGV.Text = "Giáo viên";

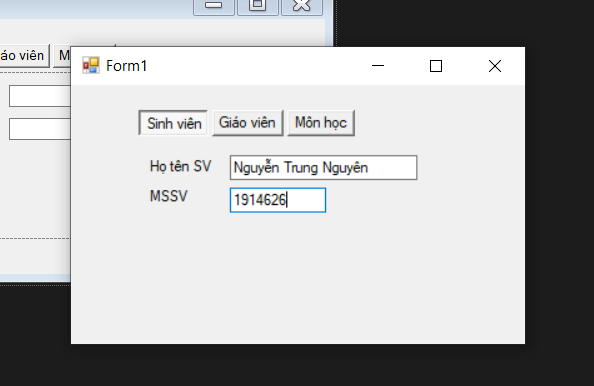
tabMH.Text = "Môn học";

this.tabControl2.TabPages.Add(tabSV);

this.tabControl2.TabPages.Add(tabGV);

this.tabControl2.TabPages.Add(tabMH);

}



**Picture Box**

**Code**

namespace PictureBox

{

public partial class Form1 : Form

{

String extention = ".png";

public Form1()

{

InitializeComponent();

cbbImage.SelectedValueChanged += CbbImage\_SelectedValueChanged;

LoadImageName();

}

private void CbbImage\_SelectedValueChanged(object sender, EventArgs e)

{

ComboBox cb = sender as ComboBox;

if (cb.SelectedValue!=null)

{

Bitmap bm = new Bitmap(Application.StartupPath + "\\Resources\\" + cb.SelectedValue.ToString() + extention);

ptbImage.Image = bm;

}

}

void LoadImageName()

{

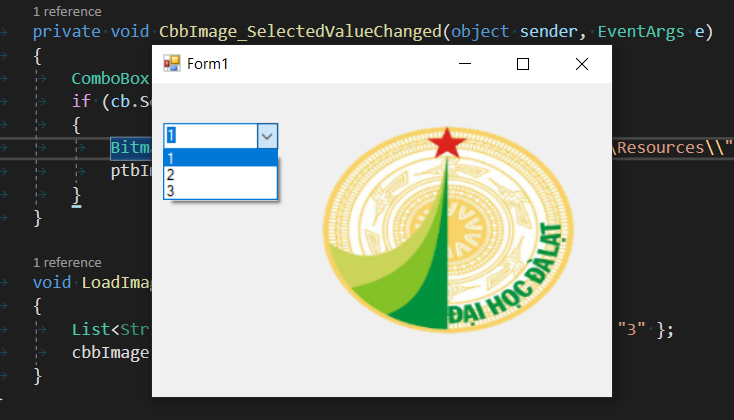
List<String> ListImage = new List<string>() { "1", "2", "3" };

cbbImage.DataSource = ListImage;

}

}

}

****

**Boolean Algebra**

**Code**

namespace BooleanAlgebra

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void chkOperand1\_CheckedChanged(object sender, EventArgs e)

{

if (chkOperand1.Checked == true)

chkOperand1.Text = "True";

else

chkOperand1.Text = "False";

}

private void chkOperand2\_CheckedChanged(object sender, EventArgs e)

{

if (chkOperand2.Checked == true)

chkOperand2.Text = "True";

else

chkOperand2.Text = "False";

}

private void chkResult\_CheckedChanged(object sender, EventArgs e)

{

if (chkResult.Checked == true)

chkResult.Text = "True";

else

chkResult.Text = "False";

}

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

{

string[] strBooleanValues = { "True", "False" };

string[] strOperations = { "A ^ B", "A V B" };

Random rnd = new Random();

chkOperand1.Text = strBooleanValues[rnd.Next(2)];

chkOperand2.Text = strBooleanValues[rnd.Next(2)];

if (chkOperand1.Text == "True")

chkOperand1.Checked = true;

else

chkOperand1.Checked = false;

if (chkOperand2.Text == "True")

chkOperand2.Checked = true;

else

chkOperand2.Checked = false;

lblOperation.Text = strOperations[rnd.Next(2)];

}

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

{

if (lblOperation.Text == "A ^ B")

{

// If A = true

if (chkOperand1.Checked == true)

{

if (chkOperand2.Checked == true)

{

if (chkResult.Checked == true)

{

// | A | B | A ^ B |

// | T | T | T |

MessageBox.Show("Bravo - Good Answer");

}

else if (chkResult.Checked == false)

{

// | A | B | A ^ B |

// | T | T | F |

MessageBox.Show("Wrong - Get it right next time!");

}

}

else if (chkOperand2.Checked == false)

{

if (chkResult.Checked == false)

{

// | A | B | A ^ B |

// | T | F | F |

MessageBox.Show("Bravo - Good Answer");

}

else if (chkResult.Checked == true)

{

// | A | B | A ^ B |

// | T | F | T |

MessageBox.Show("Wrong - Get it right next time!");

}

}

}

else if (chkOperand1.Checked == false)

{

if (chkOperand2.Checked == true)

{

if (chkResult.Checked == false)

{

// | A | B | A ^ B |

// | F | T | F |

MessageBox.Show("Bravo - Good Answer");

}

else if (chkResult.Checked == true)

{

// | A | B | A ^ B |

// | F | T | T |

MessageBox.Show("Wrong - Get it right next time!");

}

}

else if (chkOperand2.Checked == false)

{

if (chkResult.Checked == false)

{

// | A | B | A ^ B |

// | F | F | F |

MessageBox.Show("Bravo - Good Answer");

}

else if (chkResult.Checked == true)

{

// | A | B | A ^ B |

// | F | F | T |

MessageBox.Show("Wrong - Get it right next time!");

}

}

}

}

else if (lblOperation.Text == "A V B") // Logical Disjunction:

{

// If A = true

if (chkOperand1.Checked == true)

{

if (chkOperand2.Checked == true)

{

if (chkResult.Checked == true)

{

// | A | B | A V B |

// | T | T | T |

MessageBox.Show("Bravo - Good Answer");

}

else if (chkResult.Checked == false)

{

// | A | B | A V B |

// | T | T | F |

MessageBox.Show("Wrong - Get it right next time!");

}

}

else if (chkOperand2.Checked == false)

{

if (chkResult.Checked == true)

{

// | A | B | A V B |

// | T | F | T |

MessageBox.Show("Bravo - Good Answer");

}

else if (chkResult.Checked == false)

{

// | A | B | A V B |

// | T | F | F |

MessageBox.Show("Wrong - Get it right next time!");

}

}

}

else if (chkOperand1.Checked == false)

{

if (chkOperand2.Checked == true)

{

if (chkResult.Checked == true)

{

// | A | B | A V B |

// | F | T | T |

MessageBox.Show("Bravo - Good Answer");

}

else if (chkResult.Checked == false)

{

// | A | B | A V B |

// | F | T | F |

MessageBox.Show("Wrong - Get it right next time!");

}

}

else if (chkOperand2.Checked == false)

{

if (chkResult.Checked == false)

{

// | A | B | A V B |

// | F | F | F |

MessageBox.Show("Bravo - Good Answer");

}

else if (chkResult.Checked == true)

{

// | A | B | A V B |

// | F | F | T |

MessageBox.Show("Wrong - Get it right next time!");

}

}

}

}

}

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

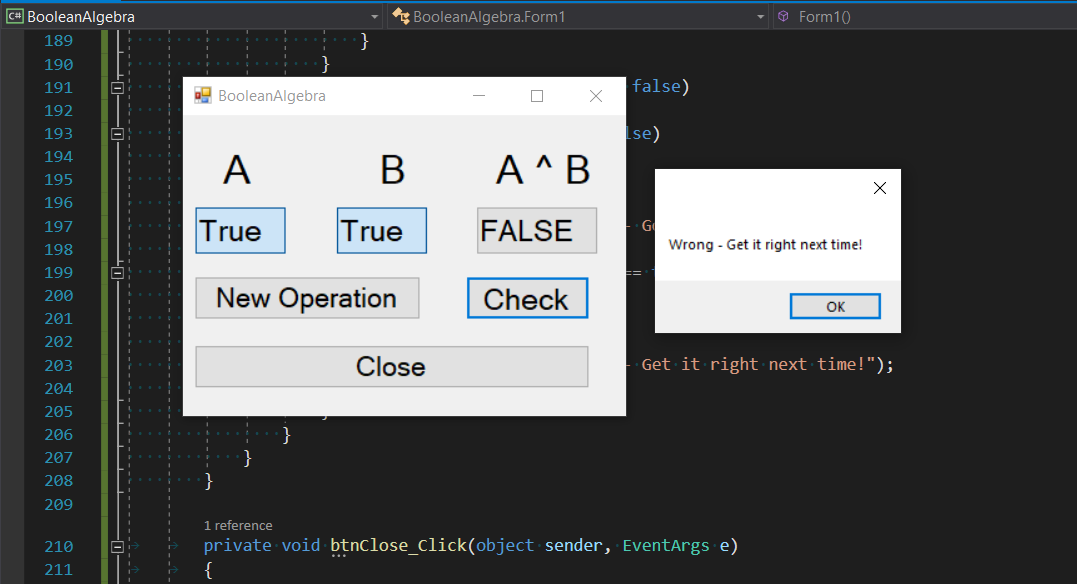
{

Close();

}

}

}



**CompoundedInterest**

**Code**

namespace CompoundedInterest

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

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

{

Close();

}

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

{

double principal = 0.00,

interestRate = 0.00,

interestEarned = 0.00;

double futureValue = 0.00,

ratePerPeriod = 0.00,

periods = 0;

int compoundType = 0;

principal = double.Parse(txtPrincipal.Text);

interestRate = double.Parse(txtInterestRate.Text) / 100;

if (rdoMonthly.Checked)

compoundType = 12;

else if (rdoQuarterly.Checked)

compoundType = 4;

else if (rdoSemiannually.Checked)

compoundType = 2;

else

compoundType = 1;

periods = double.Parse(txtPeriods.Text);

double i = interestRate / compoundType;

double n = compoundType \* periods;

ratePerPeriod = interestRate / periods;

futureValue = principal \* Math.Pow(1 + i, n);

interestEarned = futureValue - principal;

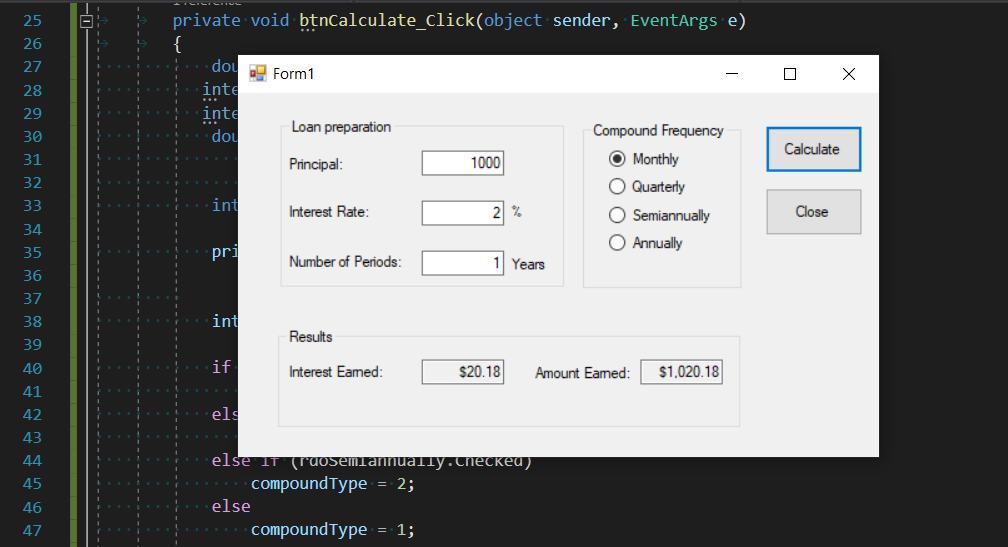
txtInterestEarned.Text = interestEarned.ToString("C");

txtFutureValue.Text = futureValue.ToString("C");

}

}

}



**Bài tập ví dụ demo**

**Code**

**LoginForm**

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

{

Application.Exit();

}

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

{

var loginName = txtLoginName.Text;

var password = txtpassword.Text;

if(loginName.CompareTo("a") == 0 && password.CompareTo("1") == 0)

{

this.DialogResult = DialogResult.OK;

}

else

{

lblMessenger.Text = "Sai tên đăng nhập hoặc mất mật khẩu.";

}

}

**LoginLoad**

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

{

loginForm login = new loginForm();

if (login.ShowDialog() != DialogResult.OK)

{

Application.Exit();

}

label1.Text = "Đã đăng nhập";

}

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

{

if (MessageBox.Show("Bạn có thật sự muốn thêm sinh viên vào danh sách hay không ?",

"Thông báo", MessageBoxButtons.YesNo, MessageBoxIcon.Question) == DialogResult.Yes)

{

lbDanhSachSV.Items.Add(txtFullname.Text);

}

}

