namespace ADO\_Week4\_\_\_Assignments

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void BtnTask1\_Click(object sender, EventArgs e)

{

lsbOutput.Items.Clear();

var num = int.Parse(txbInput.Text);

var cnt = 0;

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

{

cnt += i;

}

lsbOutput.Items.Add(cnt);

}

private void BtnTask2\_Click(object sender, EventArgs e)

{

lsbOutput.Items.Clear();

var num = int.Parse(txbInput.Text);

var sum = 0;

lsbOutput.Items.Add("sum is 0");

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

{

sum += i;

lsbOutput.Items.Add($"sum is {sum}, last added is {i}");

}

}

private void BtnTask3\_Click(object sender, EventArgs e)

{

lsbOutput.Items.Clear();

var num = int.Parse(txbInput.Text);

var sum = 0;

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

{

sum += i \* i;

}

lsbOutput.Items.Add(sum);

}

private void BtnTask4\_Click(object sender, EventArgs e)

{

lsbOutput.Items.Clear();

var num = int.Parse(txbInput.Text);

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

{

lsbOutput.Items.Add(new string('\*', i));

}

}

private void BtnTask5\_Click(object sender, EventArgs e)

{

lsbOutput.Items.Clear();

var num = int.Parse(txbInput.Text);

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

{

lsbOutput.Items.Add(new string('\*', i));

}

for (int i = num - 1; i >= 1; i--)

{

lsbOutput.Items.Add(new string('\*', i));

}

}

private void BtnTask6\_Click(object sender, EventArgs e)

{

lsbOutput.Items.Clear();

var num = int.Parse(txbInput.Text);

lsbOutput.Items.Add(new string('-', num - 1) + '\*' + new string('-', num - 1));

var str = "";

for (int i = 1; i <= num - 2; i++)

{

str += new string('-', num - 1 - i);

for (int g = 0; g < i + 1; g++)

{

str += "\*-";

}

str += new string('-', num - 2 - i);

lsbOutput.Items.Add(str);

str = "";

}

if (num != 1)

{

var strLastRow = "";

for (int i = 0; i < num - 1; i++)

{

strLastRow += "\*-";

}

strLastRow += "\*";

lsbOutput.Items.Add(strLastRow)

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

{

var yearsOld = Convert.ToInt32(txbYears.Text);

var pictureShow = pbx1.Visible;

if(yearsOld >= 18)

{

oldEnoughLabel.Text = "You are old enough, enjoy your bevarage!";

}

else

{

oldEnoughLabel.Text = $"You are not old enough. Come back after {18 - yearsOld} years!";

}

}

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

{

}

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

{

if (lemonadeButton.Checked)

{

pbx1.Image = Properties.Resources.lemonade;

}

}

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

{

if (beerButton.Checked && adultCheckBox.Checked)

{

pbx1.Image = Properties.Resources.beer;

}

if (beerButton.Checked && !adultCheckBox.Checked)

{

pbx1.Image = Properties.Resources.under;

}

}

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

{

if (beerButton.Checked && !adultCheckBox.Checked)

{

pbx1.Image = Properties.Resources.under;

}

if (beerButton.Checked && adultCheckBox.Checked)

{

pbx1.Image = Properties.Resources.beer;

}

var fruit = cbxFruits.SelectedItem.ToString();

switch (fruit)

{

case "apples": lbxDisplay.Items.Add("apples are green");

break;

case "cherries":

lbxDisplay.Items.Add("cherries are red");

break;

case "bananas":

lbxDisplay.Items.Add("bananas are yellow");

break;

case "oranges":

lbxDisplay.Items.Add("oranges are, well duh...");

break;

default:

lbxDisplay.Items.Add($"I don't know {fruit}");

break;