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# TUTORIAL 1-3 Do Statement

I worked alone.

Graphical user interface

Description automatically generated

using System;

using System.Collections.Generic;

using System.IO;

using System.Linq;

using System.Runtime.InteropServices.WindowsRuntime;

using Windows.Foundation;

using Windows.Foundation.Collections;

using Windows.UI.Xaml;

using Windows.UI.Xaml.Controls;

using Windows.UI.Xaml.Controls.Primitives;

using Windows.UI.Xaml.Data;

using Windows.UI.Xaml.Input;

using Windows.UI.Xaml.Media;

using Windows.UI.Xaml.Navigation;

// The Blank Page item template is documented at http://go.microsoft.com/fwlink/?LinkId=402352&clcid=0x409

namespace DoStatement

{

/// <summary>

/// An empty page that can be used on its own or navigated to within a Frame.

/// </summary>

public sealed partial class MainPage : Page

{

public MainPage()

{

this.InitializeComponent();

}

private void showStepsClick(object sender, RoutedEventArgs e)

{

int amount = int.Parse(number.Text);

steps.Text = "";

string current = "";

do

{

int nextDigit = amount % 8;

amount /= 8;

int digitCode = '0' + nextDigit;

char digit = Convert.ToChar(digitCode);

current = digit + current;

steps.Text += current + "\n";

}

while (amount != 0);

}

}

}