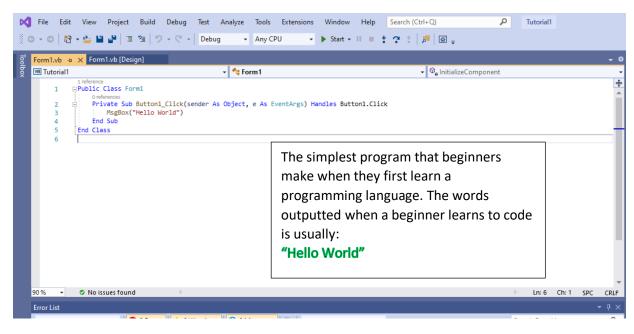
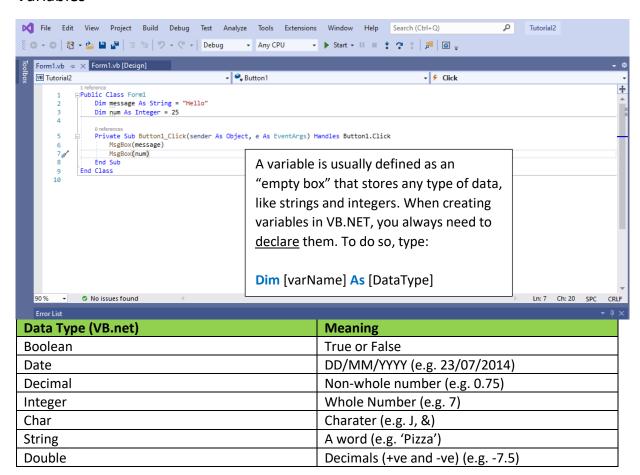
Visual Basic Autorial

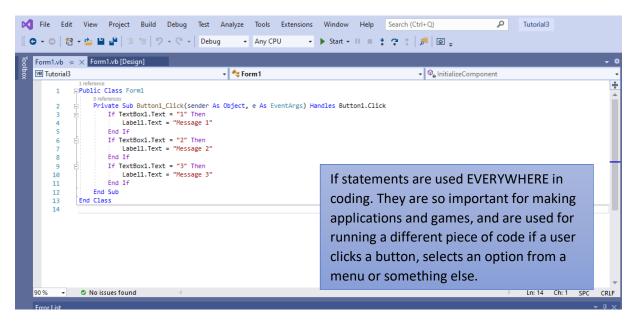
Hello World Program



Variables



If/Else Statements



Adding 2 Numbers

```
File Edit View Project Build Debug Test Analyze Tools Extensions Window Help Search (Ctrl+Q)
                                                                                                                                             Tutorial4
G → O | 👸 → 🚰 💾 🛂 | 🖫 🥞 | 🤊 → 🦿 → | Debug

→ Any CPU

                                                                                     - ▶ Start - II ■ 🐈 😝 💲 🎜 🚳 💂
    Form1.vb* → × Form1.vb [Design]*
    VB Tutorial4

→ btnAdd

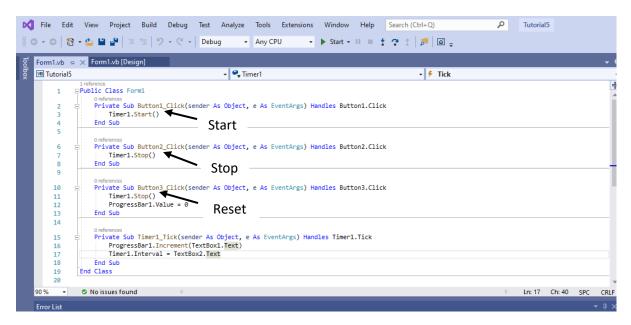
→ F Click

                Public Class Form1
Dim num1 As Integer
                     Dim num2 As Integer
Dim result As Integer
                                                         Add Button
                     O references
Private Sub Button1_Click(sender As Object, e As EventArgs) Handles btnAdd.Click
                         hum1 = TextBox1.Text
num2 = TextBox2.Text
result = num1 + num2
MsgBox(result)

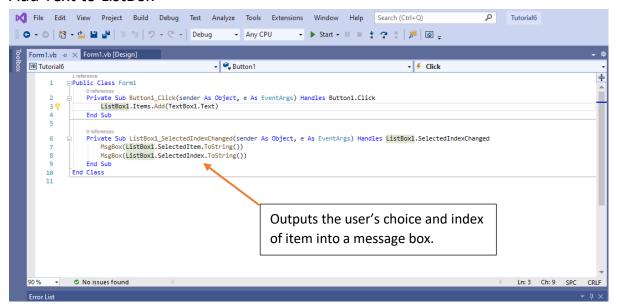
    No issues found

                                                                                                                                                     Ln: 7 Ch: 9 SPC CRLF
```

Timer Control



Add Text to ListBox



Check Boxes, Radio Buttons & Group Boxes

```
File Edit View Project Build Debug Test Analyze Tools Extensions Window Help Search (Ctrl+Q)
                                                                                                                         Tutorial7
- Start - II | * ? 1 | 5 | 6 _
   Form1.vb 🕫 🗙 Form1.vb [Design]
   ™ Tutorial7

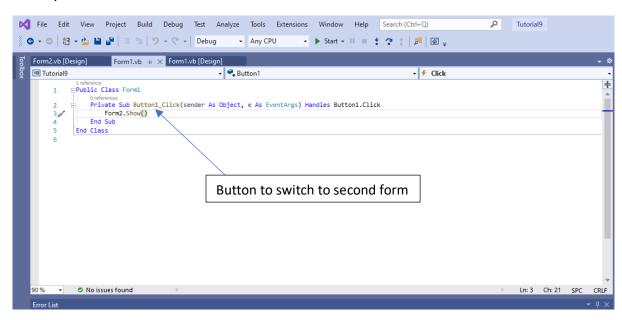
→ RadioButton1

→ F CheckedChanged

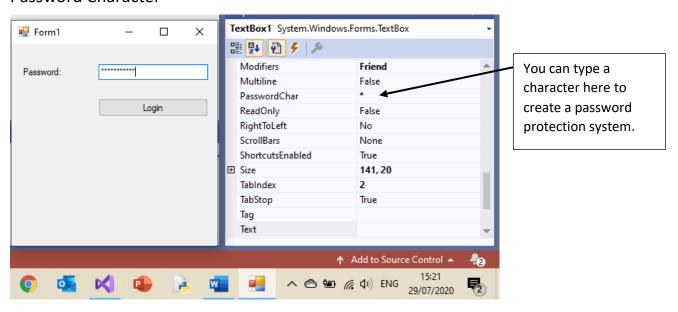
             □Public Class Form1
                  Oreferences
Private Sub Button1 Click(sender As Object, e As EventArgs) Handles Button1.Click
If CheckBox1.Checked Then
                     MsgBox("You are under 15")
End If
                                                        Show Age
                     If CheckBox2.Checked Then
                                                        in MsgBox
                     MsgBox("You are under 25")
End If
                     If CheckBox3.Checked Then
                     MsgBox("You are over 25")
End If
                  End Sub
       12
13
                 Oreterences
Private Sub RadioButton1_CheckedChanged(sender As Object, e As EventArgs) Handles RadioButton1.CheckedChanged
Button1.Enabled = RadioButton1.Checked
End Sub
              End Class
    90 % • ONO issues found
                                                                                                                         Ln: 15 Ch: 47 SPC CRLF
```

Text to Speech

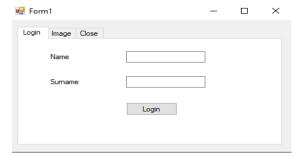
Multiple Forms



Password Character



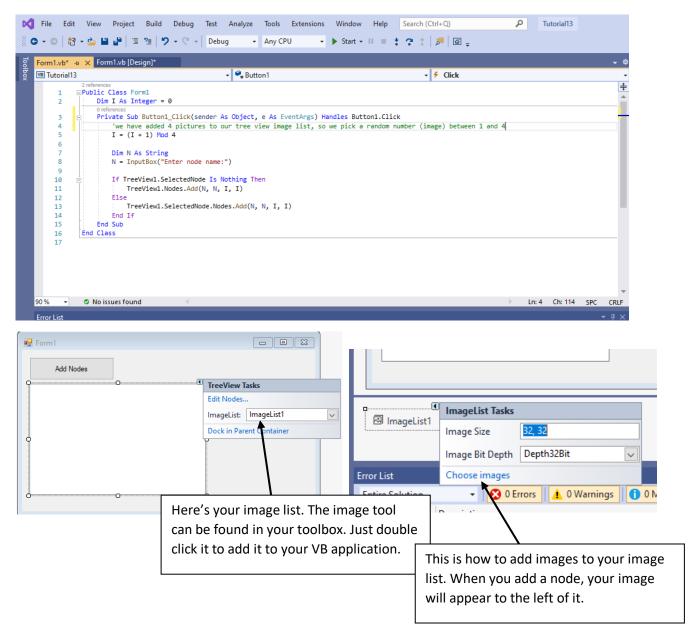
TabControl (+ PictureBox)

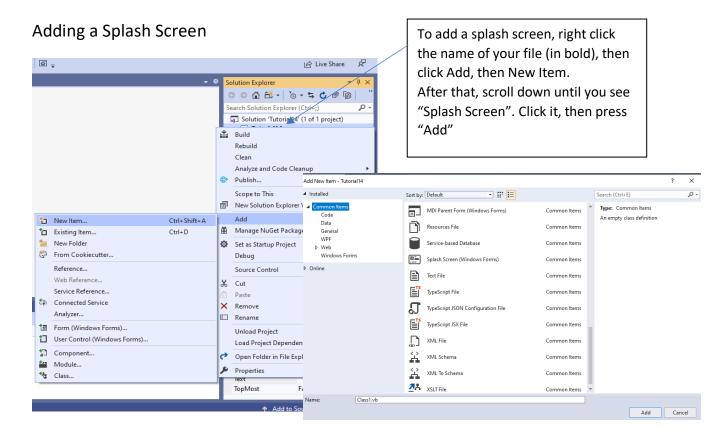


To put a picture on a Visual Basic form application, you use a PictureBox (found in vour toolbox)

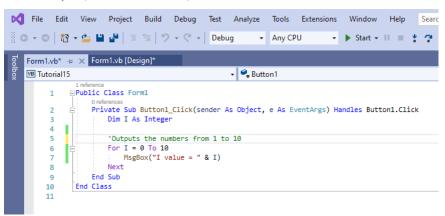


Adding Nodes to a TreeView





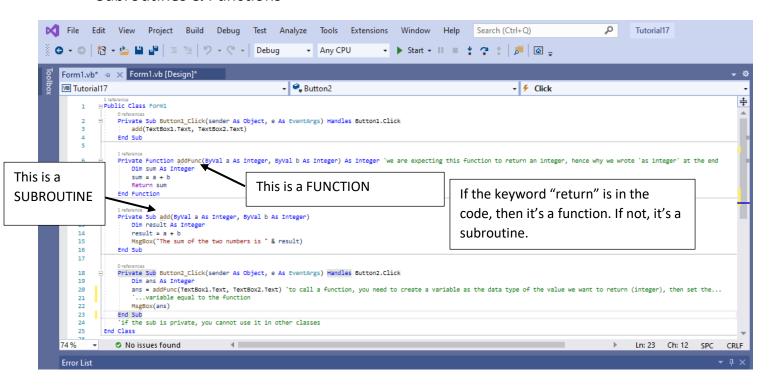
For Loops (Back 2 Basics)



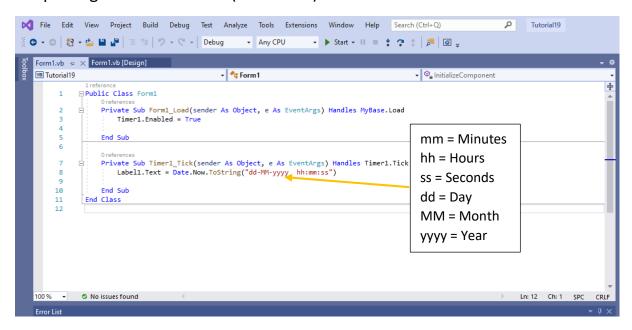
While Loops, Do While & Do Until

```
→ Button3
Tutorial16
       ⊡Public Class Forml
            O PRINTERENCES
Private Sub Buttonl_Click(sender As Object, e As EventArgs) Handles Buttonl.Click
                Dim x As Integer = 1
                                                      Do the action while the
                   MsgBox("X value = " & x)
                                                      condition is true
                    x += 1
                Loop
            End Sub
10
            Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
11
12
                Dim y As Integer = 1
                Do While Not y = 10
                                                     Do the action while the condition
13
                    MsgBox("Y value =
14
15
                                                     is not true
16
                Loop
            End Sub
17
18
            Private Sub Button3_Click(sender
Dim z As Integer = 0
Do Until z = 20
19
28
                                                 Do the action until the condition
21
22
                    MsgBox(z)
                                                is true
23
                    z += 1
24
               Loop
25
        End Class
26
          No issues found
```

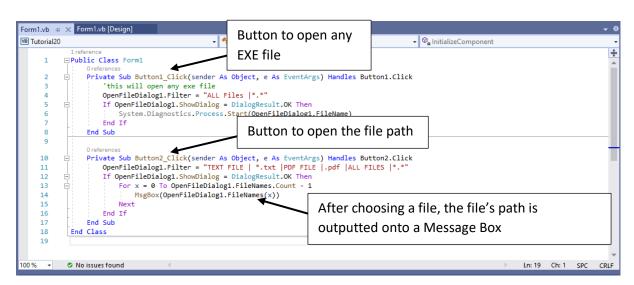
Subroutines & Functions

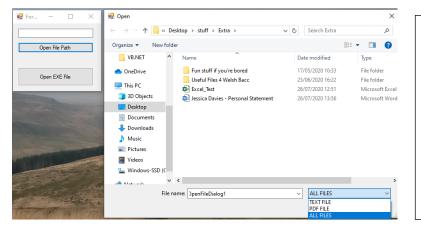


Outputting the Date & Time (On a label)



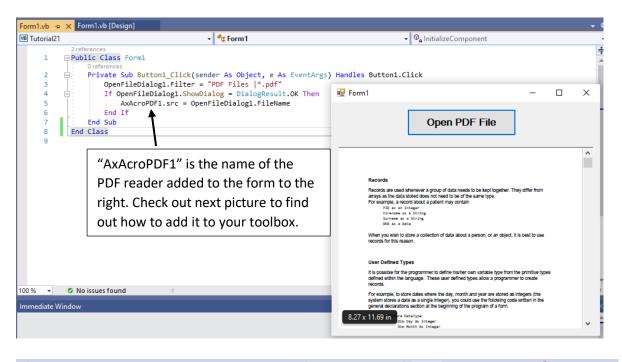
Open File Dialog Control

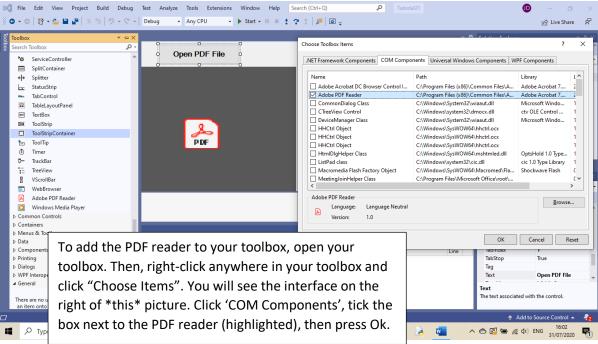




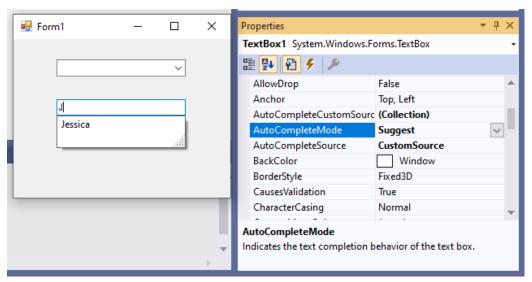
When you run the application, you'll first see the form at the top right corner of this picture.
When you click Open File Path, your files are shown.
Choose your file, then the file path is outputted in a Message Box (code in picture above)

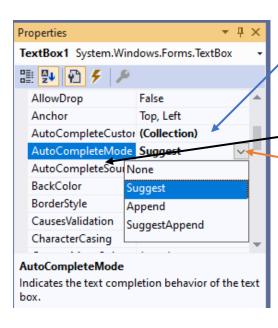
Opening PDF Files in a VB Form Application





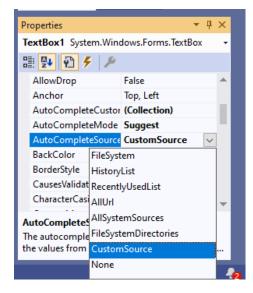
AutoComplete ComboBox & TextBox





This is your collection of strings which are either suggested and/or appended to text in a text box. This can be changed to either search history, websites, file system and many other sources by looking here (auto complete source)

When you click here, it will open a drop-down menu with 3 modes:
Suggest, Append or both.
Suggest is basically showing you a suggestion for what you are typing into the text box, whereas Append is when the suggestion gets added to the rest of your text.



Here's your choice of items. If you want to search/select from your own list of strings, select 'Custom Source' from the drop-down menu.

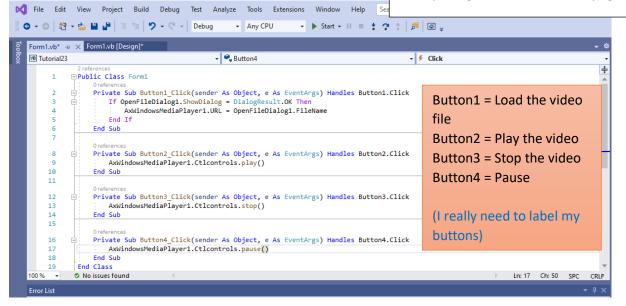
You can also select none if you're just using a textbox as input/output.

<u>Important Info:</u>

This searching system with a textbox has the same properties as a combo box, so if you click the combo box while you're editing your form, it will also show the auto complete options seen on the picture on the left.

Playing an MP4 file in your Form Application

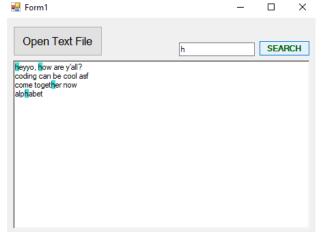
To see how to add Windows Media Player to your form application, follow the steps on the Opening a PDF File section. (page 10)



Open a text file and search for text in Visual Basic

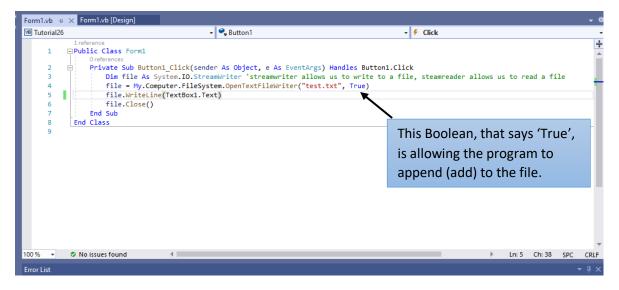
Button to open the text file



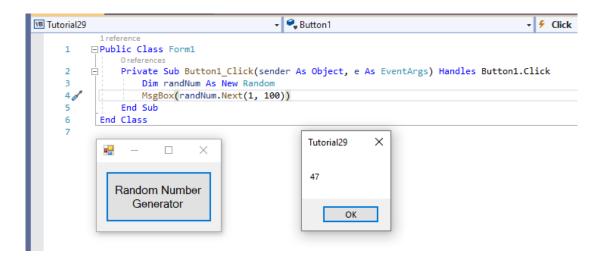


When you click the Open Text File button, it will run the open file dialog tool and open your file path. You proceed to choose the text file, and then it appears in a rich text box. Type some text in the search bar then hit search. All results will be highlighted in a specific colour.

Write to a Text File



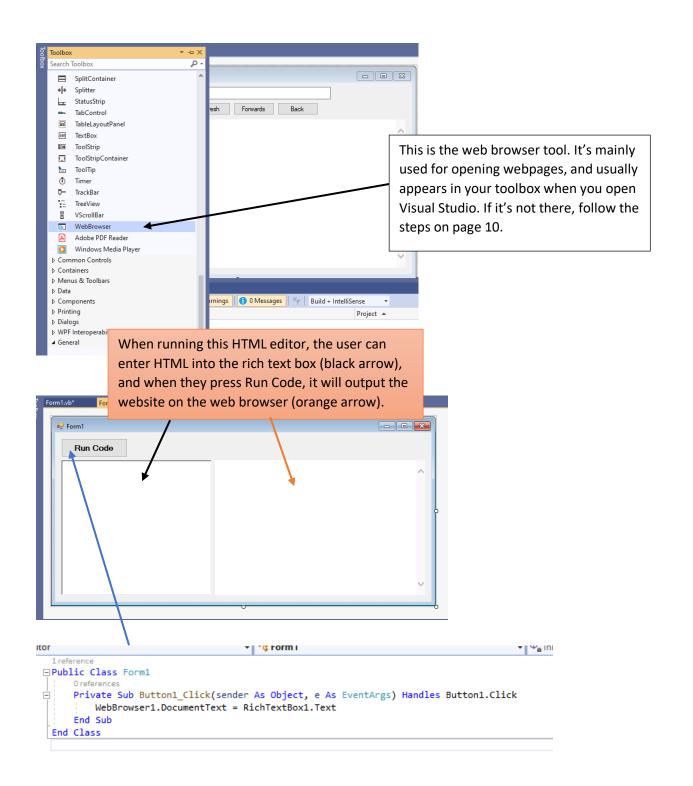
Random Number Generator



Opening a Webpage using the Web Browser tool

```
Form1.vb* 💠 🗙 Form1.vb [Design]*
™ Tutorial31
                                                      → Sutton2
                                                                                                               → F Click
                                                                                                                                                                       ‡
           □Public Class Form1
                  Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
WebBrowser1.Navigate(TextBox1.Text)
                  Private Sub Button4_Click(sender As Object, e As EventArgs) Handles Button4.Click
WebBrowser1.GoBack()
                  Private Sub Button3_Click(sender As Object, e As EventArgs) Handles Button3.Click
     11
                      WebBrowser1.GoForward()
     13
     14
15
                  Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
                      WebBrowser1.Refresh()
             End Class

    No issues found
```



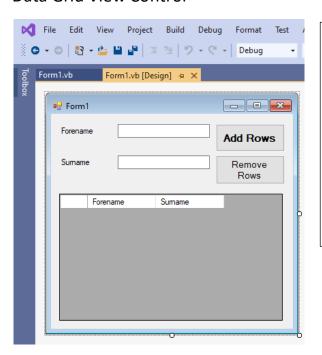
Arrays (Back 2 Basics)

```
1 reference
DPublic Class Form1
    Oreferences
Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
    Dim names(3) As String
    names(0) = "Jessica"
    names(1) = "Evan"
    names(2) = "Leo"
    names(3) = "Lewis"

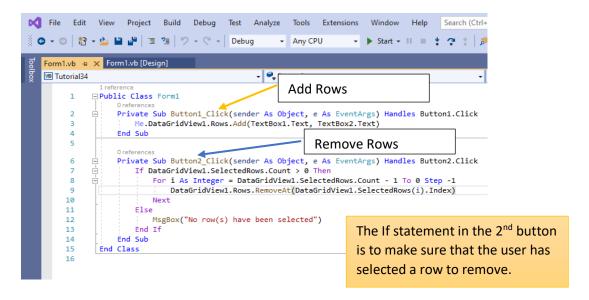
    'this will show all names in the array one by one
For i = 0 To names.Length - 1
    MsgBox(names(i))
    Next
End Sub
End Class
```

Adding Items to a Combo Box

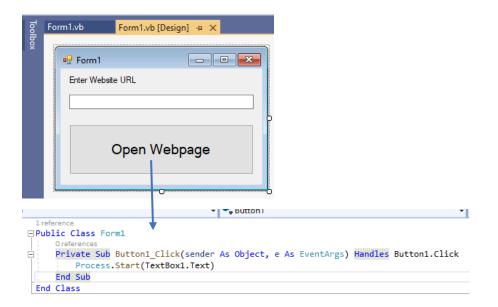
Data Grid View Control



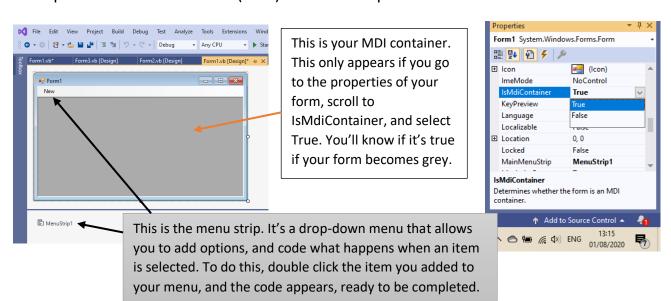
This is the data grid view tool. It's similar to Excel, but obviously you need to add code to it. To add a row, you need to fill both text boxes with strings, then click Add Rows. To remove a row, there should be a little arrow to the left of the row that you've added. Click the arrow, then press Remove Rows.

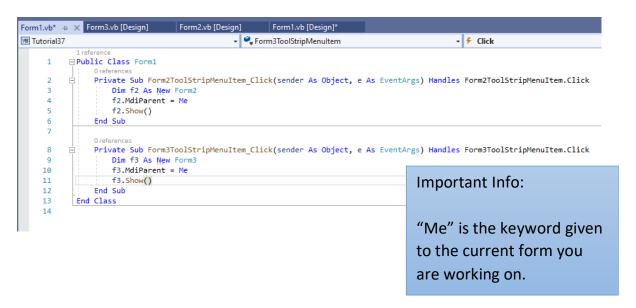


Opening a Website



Multiple Document Interface (MDI) & Menu Strip Control

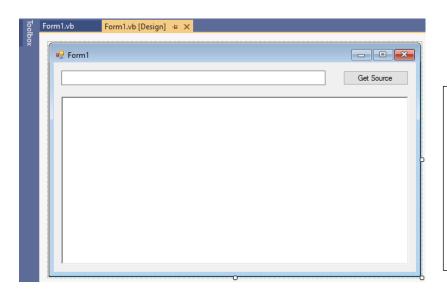






Important Info:

The "Try...Catch" Statement is used to provide a way to handle some or all possible errors that may occur in a block of code, while still running the code.



The website is first entered into the text box, then the user presses the Get Source button, and the source code of the provided website is shown in the rich text box.