

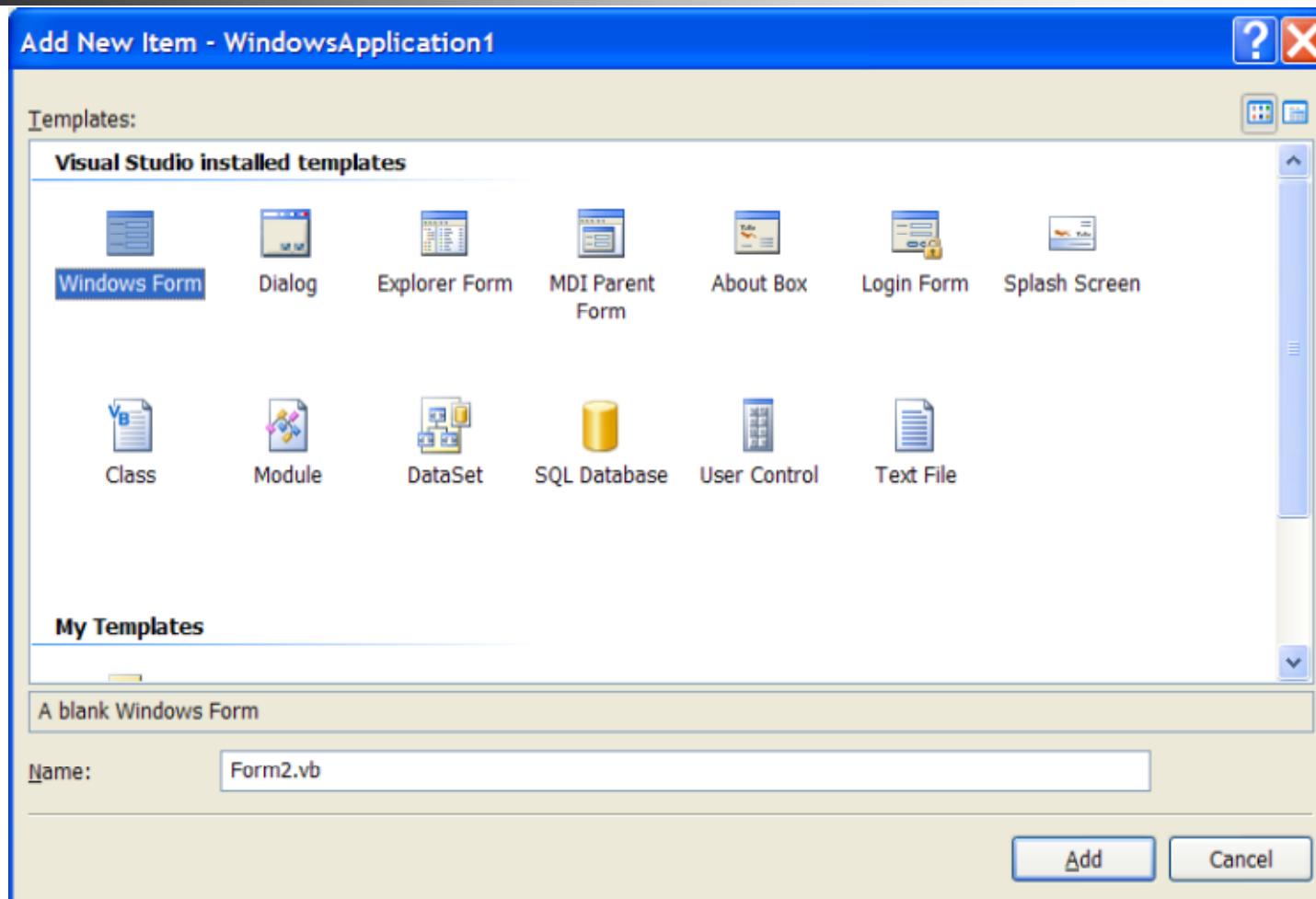


Multiple Forms

- Visual Basic programs can contain more than one form
- To add the new form, select Add Windows Form from the Project menu, to invoke the Add New Items dialog box.



Add New Items dialog box





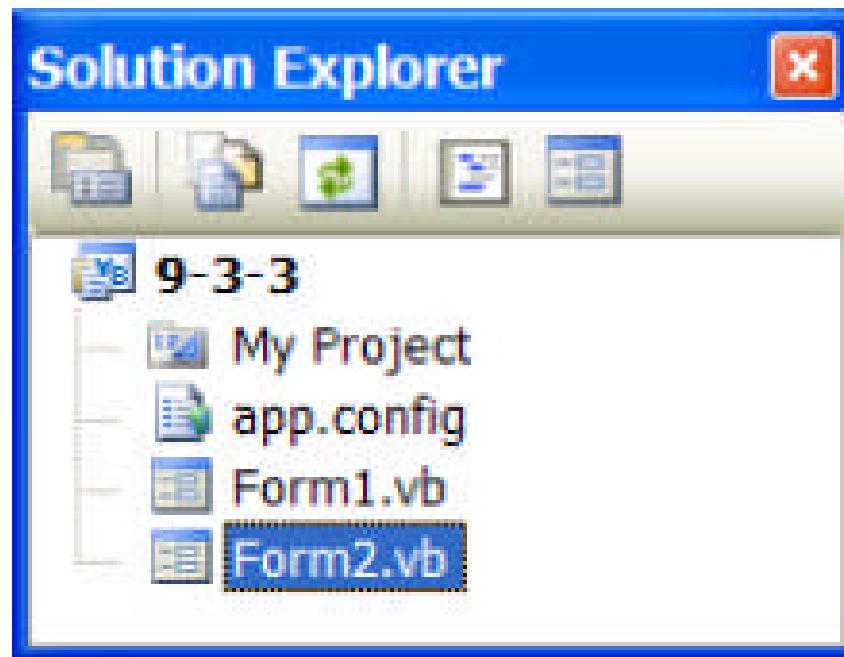
Add New Items dialog box

- Select Windows Form from the Installed Templates pane.
- Optionally type in a name.
- Press the Add button.



Solution Explorer

- Both forms will be accessible through Solution Explorer.





Variables and Multiple Forms

- Variables declared in the declarations section of a form with Public, instead of Dim, will be available to all forms in the program.
- When a Public variable is used in another form, it is referred to by an expression such as

`secondForm. variableName`



Lab sheet 9.6: frmIncome

The screenshot shows a Windows application window titled "Income". The window has a blue title bar with the title "Income" and standard window controls (minimize, maximize, close). Inside the window, there are two text input fields labeled "Name:" and "Total Income:". Below these fields is a button labeled "Determine Total Income". A brown arrow points from the text "txtTotIncome" to the "Total Income:" text input field.

Name:

Total Income: ← txtTotIncome

Determine Total Income



Lab sheet 9.6 : frmSources

The screenshot shows a Windows application window titled "Sources of Income". The window has a blue border and standard operating system window controls (minimize, maximize, close) at the top right. Inside, there are three text input fields labeled "Wages:", "Interest Income:", and "Dividend Income:" respectively, each followed by an empty text box for input. Below these fields is a large, rectangular button with a double border containing the text "Compute Total Income".

FormBorderStyle property set to FixedDialog



Lab sheet 9.6 : frmIncome's Code

```
Private Sub btnDetermine_Click(...) Handles _
    btnDetermine.Click
    ' Instantiate the second form
    Dim secondForm As New frmSources()
    secondForm.ShowDialog()      ' Show the second
    ' form and wait until it closes. Then execute
    ' the rest of the code in this procedure.
    txtTotIncome.Text = _
        FormatCurrency(secondForm.sum)
End Sub
```



Lab sheet 9.6 : frmSource's Code

```
Public sum As Double      'Holds the sum of the  
                           'text boxes' values  
  
Private Sub btnCompute_Click(...) Handles _  
          btnCompute.Click  
    'Store total into the Public variable sum  
    sum = CDbl(txtWages.Text) + _  
          CDbl(txtIntIncome.Text) + _  
          CDbl(txtDivIncome.Text)  
    'Close the form as it is not needed anymore  
    Me.Close()  
End Sub
```

Type Conversion Function



Type Conversion Function CDbl

- Returns a **Double** data type
 - provides the greatest and smallest possible magnitudes for a number
 - The default value is 0