Public Class BankAccount 'Creates BankAccount Class

' Declares Variable, Assigns Data type & initial values.
Private amount As Double = 0.0 'Global amount
Private name As String = ""

' AddAmount adds/sets the amount
' Me.amount is the Global amount, amount is the parameter
Public Sub AddAmount(ByVal amount As Double)
    Me.amount = Me.amount + amount
End Sub

' Gets and Returns the amount
Public Function getAmount() As Double
    Return Me.amount
End Function

'SetName Sets the Name
'Me.name is the Global name, name is the parameter
Public Sub SetName(ByVal name As String)
    Me.name = name
End Sub

' Gets and Returns the Global name
Public Function Getname() As String
    Return Me.name
End Function

' Adds Global amount to parameter amount
Public Sub WithdrawAmount(ByVal amount As Double)
    Me.amount = Me.amount - amount
End Sub

#Region "Constructors"
' A class or struct may have multiple constructors that take on different arguments
' Constructors enable programmers to set default values, and limit instantiation
' This Constructor brings in the initialAmount
Public Sub New(ByVal initialAmount As Double)
    Me.amount = initialAmount
End Sub

' This Constructor sets the initialAmount to zero
Public Sub New()
    Me.amount = 0.0
End Sub
#End Region

End Class
Public BA As BankAccount
Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

End Sub

Private Sub Button_create_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button_create.Click
    Me.BA = New BankAccount(CDb1(TextBox_initialAmount.Text)) 'CDbl converts the string value to the Double Value
    Me.BA.SetName(TextBox_name.Text)
    MsgBox("Bank Account Created")
End Sub

Private Sub Button_deposit_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button_deposit.Click
    Me.BA.AddAmount(10.0)
End Sub

Private Sub Button_withdraw_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button_withdraw.Click
    Me.BA.WithdrawAmount(10.0)
End Sub

Friend WithEvents Button_Retrieve As System.Windows.Forms.Button

Private Sub Button_Retrieve_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button_Retrieve.Click
    MsgBox("The current balance in this bank account is: " & Me.BA.getAmount())
End Sub
End Class