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' Mr. Minich
' "Fancy" Donut Store Demo
' Per 1
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Public Class Form1
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    ' computes the cost of purchasing donuts
    Private Sub btnCompute_Click(sender As System.Object, e As System.EventArgs) Handles btnCompute.Click
        ' ***** declaration statements *****
        Dim numDonuts As Integer = 0           ' # of donuts purchased
        Dim totalCost As Double = 0           ' total cost of purchases
        Const PRICE_PER_DONUT As Double = 0.75 ' price per donut
        Const TAX_RATE As Double = 1.06      ' PA state sales tax
        Const GIFT_WRAPPING_CHARGE As Double = 1.0 ' gift wrapping charge

        ' ***** obtain user input *****
        numDonuts = Val(txtDonuts.Text)

        ' ***** calculations *****
        totalCost = numDonuts * PRICE_PER_DONUT * TAX_RATE

        If (chkGiftWrapping.Checked = True) Then ' adding gift wrapping charge if checkbox is checked
            totalCost = totalCost + GIFT_WRAPPING_CHARGE
        End If

        totalCost = Math.Round(totalCost, 2) ' rounding to nearest penny

        ' ***** display the output *****
        lblTotalCost.Text = "$" + totalCost.ToString("0.00") ' formats answer to show two decimal places even if whole number

        Dim reply As String = "" ' confirmation message to customer

        reply = "Thank you for your order." + vbCrLf + vbCrLf + _
            "Your order for " + txtDonuts.Text + " donuts has been processed and will be shipped to: " + vbCrLf + vbCrLf + _
            txtName.Text + vbCrLf + _
            txtStreetAddress.Text + vbCrLf + _
            txtCity.Text + ", " + cboState.SelectedItem + " " + txtZipCode.Text ' using selected item from states combo box

        ' vbCrLf is used to break up separate lines in message box
        ' underscore character ( _ ) is used to break up the very long statement into separate lines in the code window

        MessageBox.Show(reply)
    End Sub

    ' clears user inputs
    Private Sub btnClear_Click(sender As System.Object, e As System.EventArgs) Handles btnClear.Click
        txtDonuts.Clear()
    End Sub
End Class
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        lblTotalCost.Text = ""
        txtName.Clear()
        txtStreetAddress.Clear()
        txtCity.Clear()
        txtZipCode.Clear()
        txtDonuts.Focus()
    End Sub

    ' ends program
    Private Sub btnExit_Click(sender As System.Object, e As System.EventArgs) Handles btnExit.Click
        Application.Exit()
    End Sub

End Class
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