Unit 7.04 Programming Exercises.

1. Square Root Rounding
2. Public Class Form1
3. Private Sub btnCompute\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCompute.Click
4. Dim squareRoot, square, difference As Double
5. Me.lstList.Items.Clear()
6. 'Repeat the loop for all numbers between 1 and 100, inclusive
7. For number As Integer = 1 To 100
8. squareRoot = Math.Sqrt(number) 'square root of a number
9. square = squareRoot ^ 2 'square the square root
10. difference = number - square 'subtract from original number
11. Me.lstList.Items.Add(number & " - (Sqrt(" & \_
12. number & "))^2 = " & Format(difference, "Scientific"))
13. Next number
14. End Sub
15. End Class

2. Book Store Order Form

Public Class Form1

Private Sub btnAddToCart\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnAddToCart.Click

Dim item As String = Me.lstItem.SelectedItem

Dim quantity As Integer

'Validate the quantity, since a combo box allows user entry and list selection

If IsNumeric(Me.cboQuantity.Text) Then

quantity = Val(Me.cboQuantity.Text) 'convert to numeric

Me.lstCart.Items.Add(item & vbTab & quantity) 'add to list box

Else

MessageBox.Show("Must enter a valid numeric quantity.") 'display error

End If

End Sub

End Class