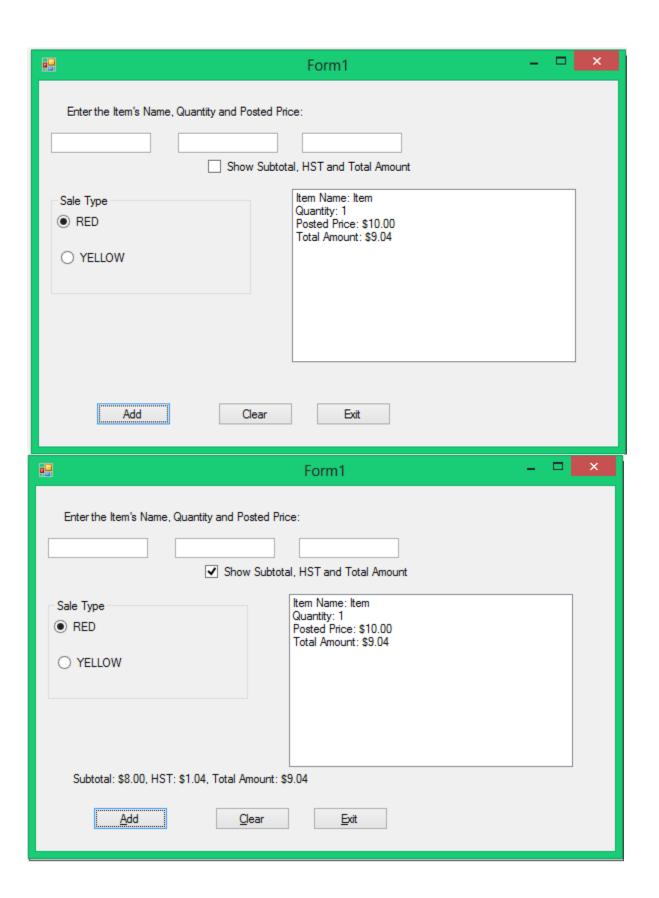
Question 1:

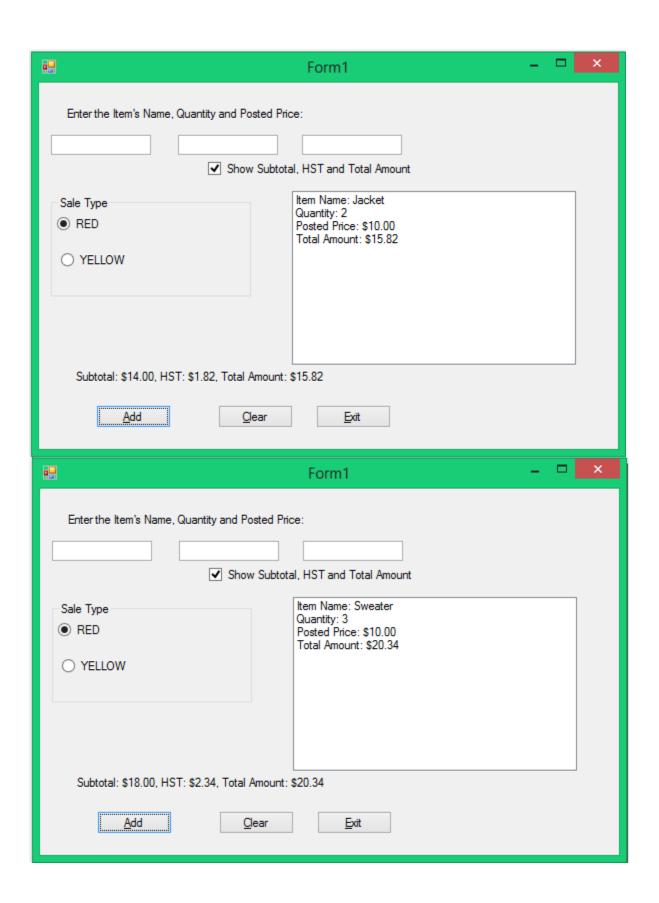
```
Public Class Form1 ' Ilker Hadzhalaran
    Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        chkShowAll.Checked = False
        radRed.Checked = True
        radYellow.Checked = False
    End Sub
    Private Sub btnAdd_Click(sender As Object, e As EventArgs) Handles btnAdd.Click
        Dim strItemName As String
        Dim intQuantity As Integer
        Dim dblPostedPrice As Double
        Dim dblSubtotal As Double
        Dim dblTotalAmount As Double
        If Not Integer.TryParse(txtQuantity.Text, intQuantity) Then
             MsgBox("Please enter quantity as an integer number.")
        ElseIf Not Double.TryParse(txtPostedPrice.Text, dblPostedPrice) Then
             MsgBox("Please enter the posted price as a number.")
        End If
        strItemName = txtItemName.Text
        intOuantity = CInt(txtOuantity.Text)
        dblPostedPrice = CDbl(txtPostedPrice.Text)
        dblSubtotal = price(strItemName, intQuantity, dblPostedPrice)
        dblTotalAmount = dblSubtotal * 1.13
        If chkShowAll.Checked Then
             lblShowAll.Text = "Subtotal: " & dblSubtotal.ToString("c") & ", HST: " &
(dblSubtotal * 0.13).ToString("c") & ", Total Amount: " & dblTotalAmount.ToString("c")
        End If
        lstItems.Items.Add("Item Name: " & strItemName)
lstItems.Items.Add("Quantity: " & intQuantity.ToString("f0"))
lstItems.Items.Add("Posted Price: " & dblPostedPrice.ToString("c"))
        lstItems.Items.Add("Total Amount: " & dblTotalAmount.ToString("c"))
        txtItemName.Text = String.Empty
        txtPostedPrice.Text = String.Empty
        txtQuantity.Text = String.Empty
    End Sub
    Private Function price(ByVal strItemName As String, ByVal intQuantity As Integer,
```

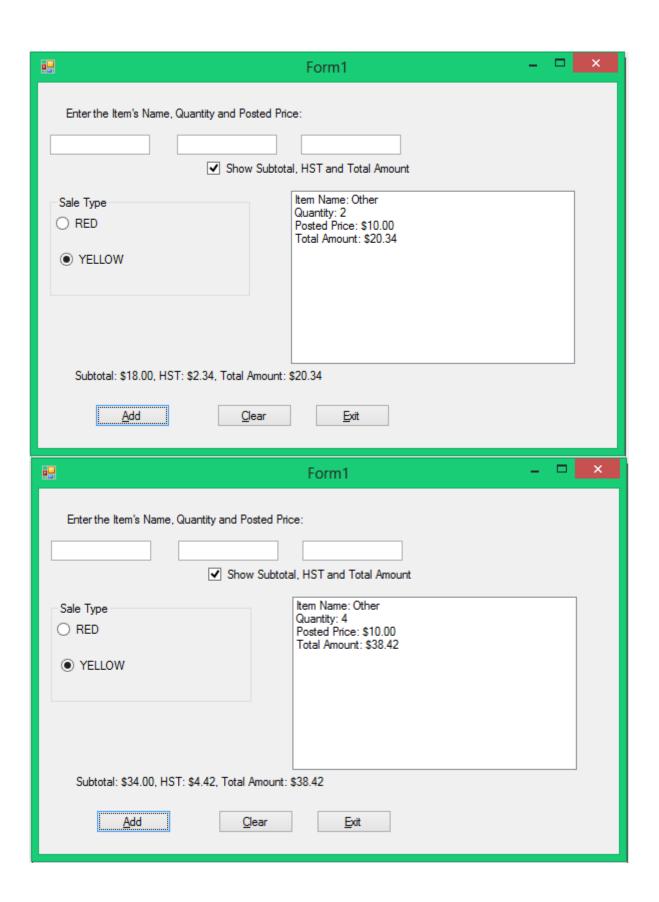
dblPostedPrice As Double)

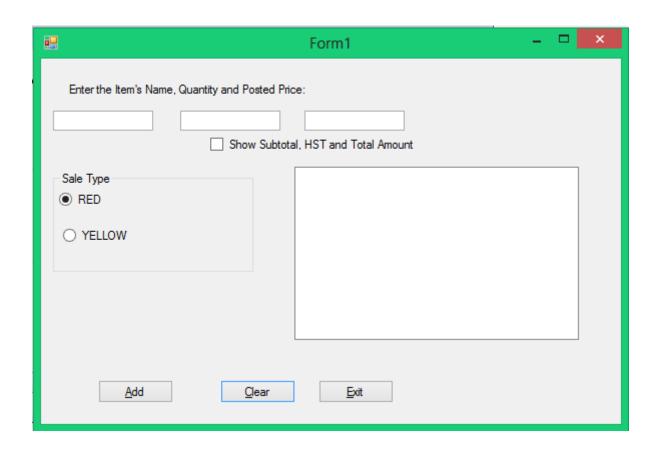
```
Dim dblSubtotal As Double
    If radRed.Checked Then
        If intQuantity = 1 Then
            dblSubtotal = intQuantity * dblPostedPrice * 0.8
        ElseIf intQuantity = 2 Then
            dblSubtotal = intQuantity * dblPostedPrice * 0.7
        ElseIf intQuantity = 3 Then
            dblSubtotal = intQuantity * dblPostedPrice * 0.6
        Else
            dblSubtotal = intQuantity * dblPostedPrice
        End If
    ElseIf radYellow.Checked Then
        If intQuantity = 2 Then
            dblSubtotal = intQuantity * dblPostedPrice * 0.9
        ElseIf intQuantity > 2 Then
            dblSubtotal = intQuantity * dblPostedPrice * 0.85
        Else
            dblSubtotal = intQuantity * dblPostedPrice
        End If
   End If
    Return dblSubtotal
End Function
Private Sub btnExit_Click(sender As Object, e As EventArgs) Handles btnExit.Click
   Me.Close()
End Sub
Private Sub btnClear_Click(sender As Object, e As EventArgs) Handles btnClear.Click
   txtItemName.Text = String.Empty
    txtPostedPrice.Text = String.Empty
    txtQuantity.Text = String.Empty
    radRed.Checked = True
    chkShowAll.Checked = False
    lstItems.Items.Clear()
   lblShowAll.Text = String.Empty
End Sub
```

End Class









Question 2:

```
Public Class Form1 ' Ilker Hadzhalaran
   Private Sub btnExit_Click(sender As Object, e As EventArgs) Handles btnExit.Click
       Me.Close()
   End Sub
   Private Sub btnFind Click(sender As Object, e As EventArgs) Handles btnFind.Click
        Dim intM As Integer
       Dim intN As Integer
       Dim intJ As Integer
       If isInputValid(intM, intN) = False Then
            MsgBox("m and n values must be positive integer numbers, where m is less than
n.")
            Exit Sub
       End If
        intM = CInt(txtM.Text)
        intN = CInt(txtN.Text)
       For intCounter As Integer = intM To intN
            If isPrime(intCounter, intJ) = True Then
                lstDisplayPrimeNumbers.Items.Add(intCounter)
            End If
        Next intCounter
   End Sub
   Private Function isInputValid(ByVal intM As Integer, ByVal intN As Integer)
        If Not (Integer.TryParse(txtM.Text, intM) And Integer.TryParse(txtN.Text, intN))
Then
            Return False
       ElseIf intM >= intN Then
            Return False
       ElseIf intM < 1 Or intN < 1 Then</pre>
            Return False
            Return True
       End If
```

End Function

```
Private Function isPrime(intCounter As Integer, intJ As Integer)
       If intCounter = 2 Then
            Return True
            Exit Function
       End If
       For intJ = 2 To (intCounter - 1)
            If (intCounter Mod intJ = 0) Then
                Return False
                Exit For
            Else
               Return True
               Exit For
            End If
       Next intJ
   End Function
   Private Sub btnReset_Click(sender As Object, e As EventArgs) Handles btnReset.Click
       resetControls(txtM, txtN, lstDisplayPrimeNumbers)
   End Sub
   Private Sub resetControls(txtM, txtN, lstDisplayPrimeNumbers)
       txtM.Text = String.Empty
       txtN.Text = String.Empty
       lstDisplayPrimeNumbers.Items.Clear()
   End Sub
End Class
```

