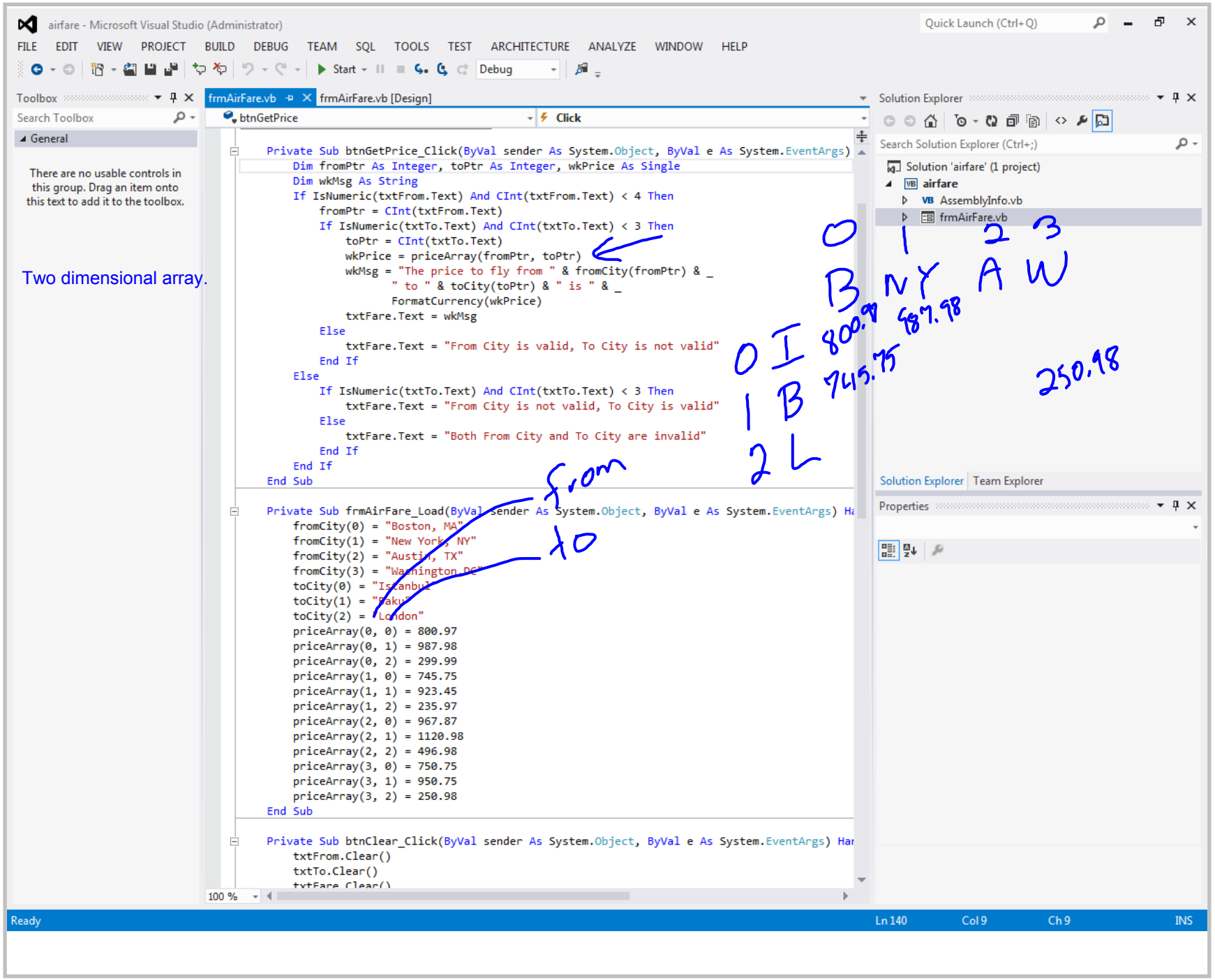
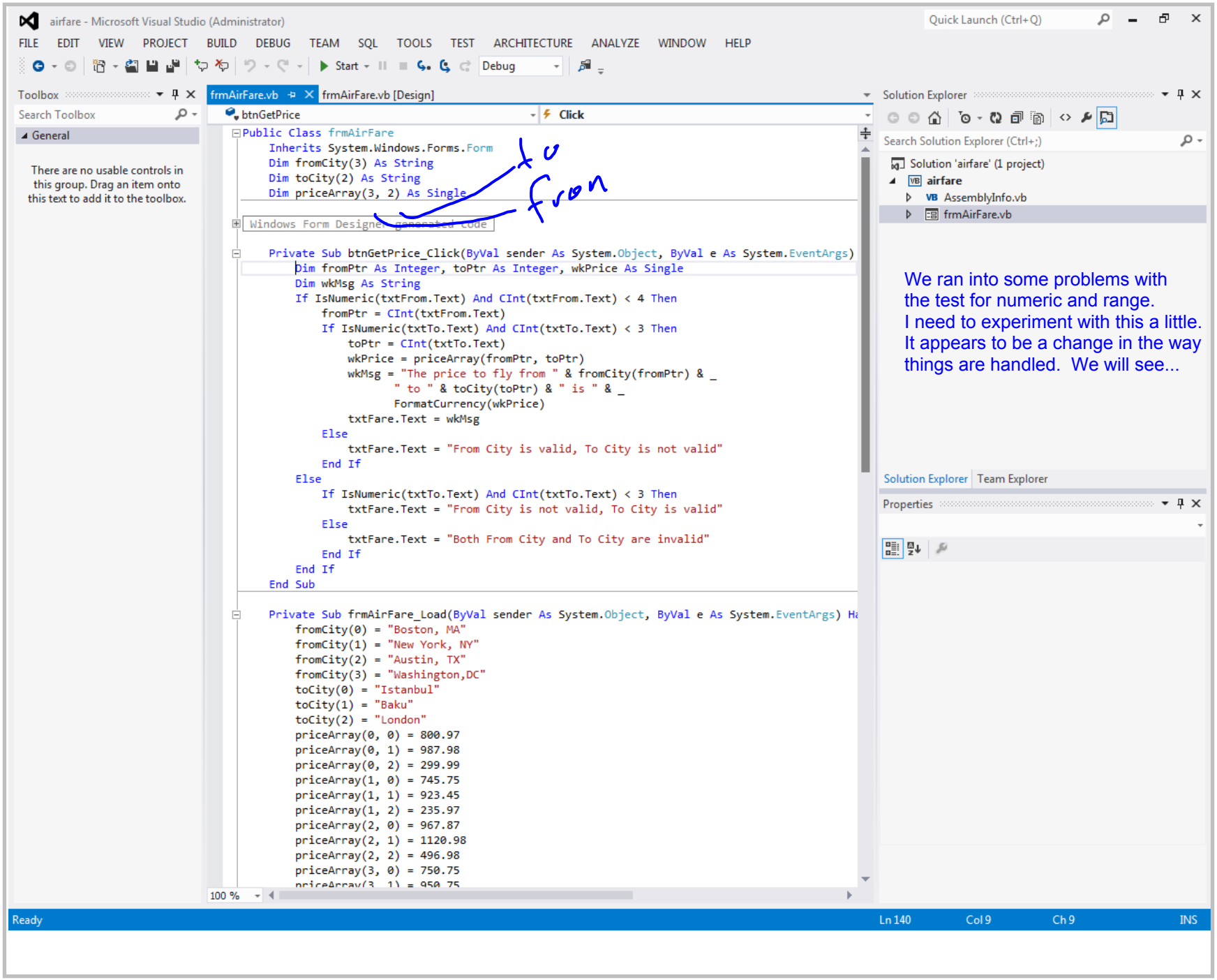
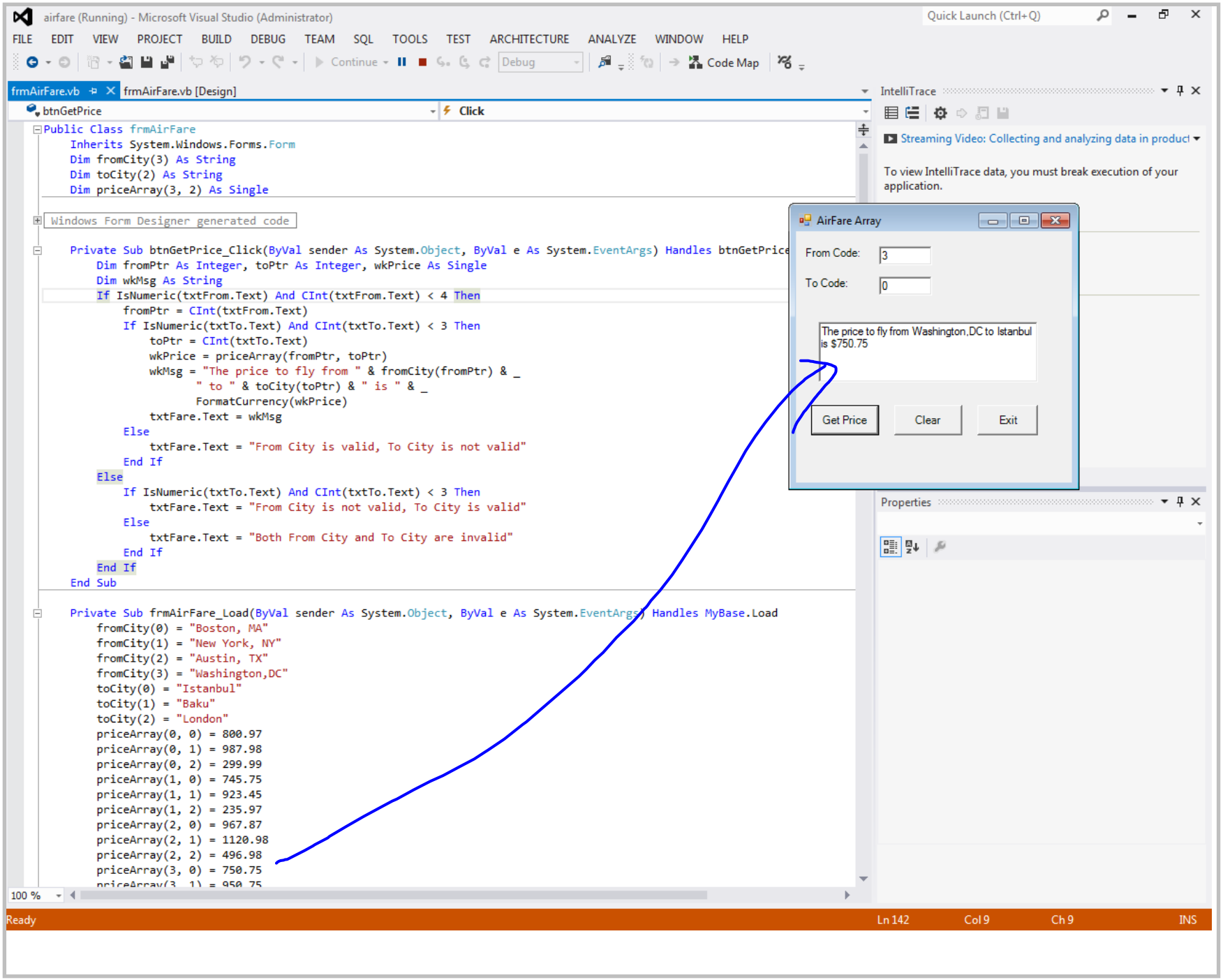
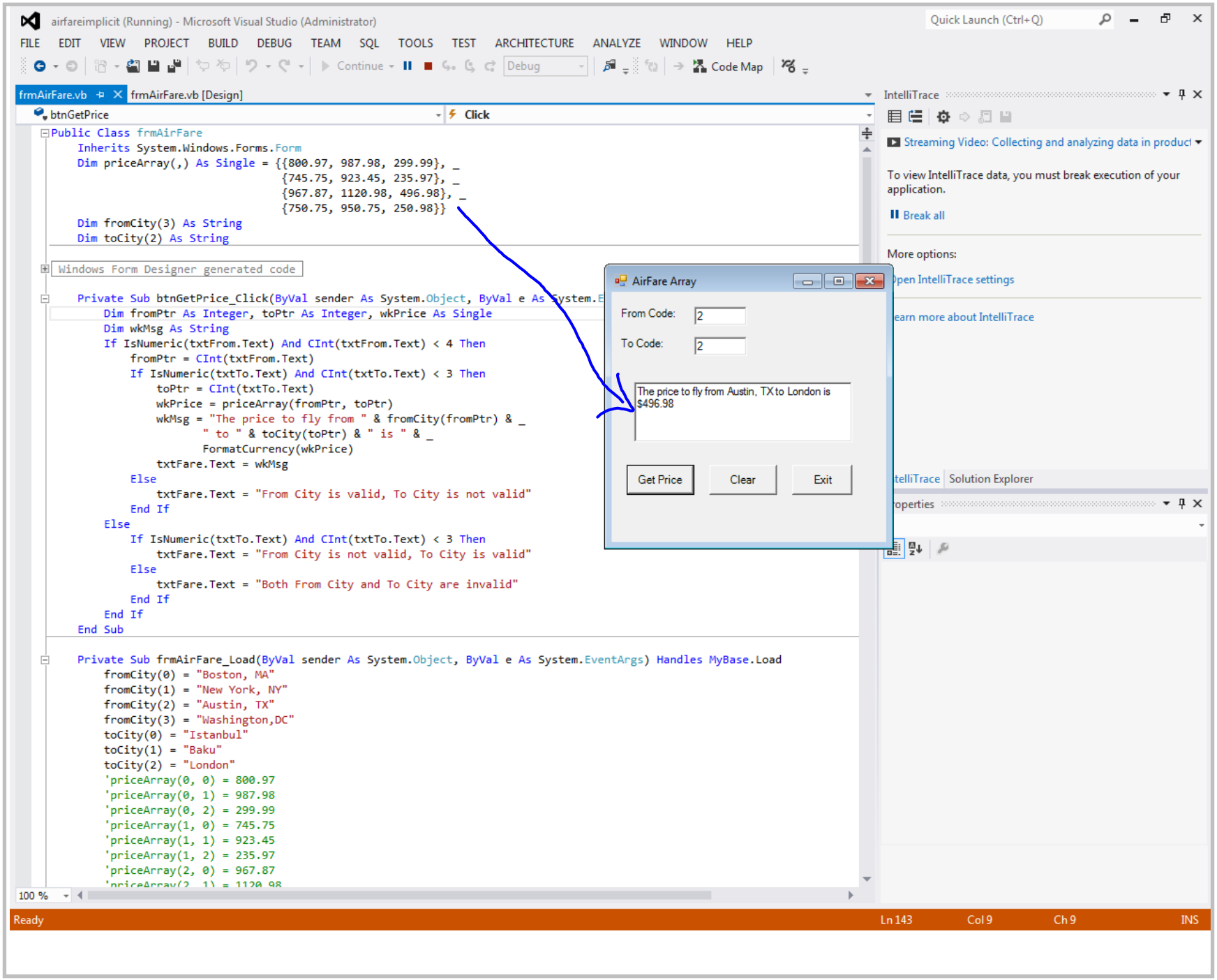
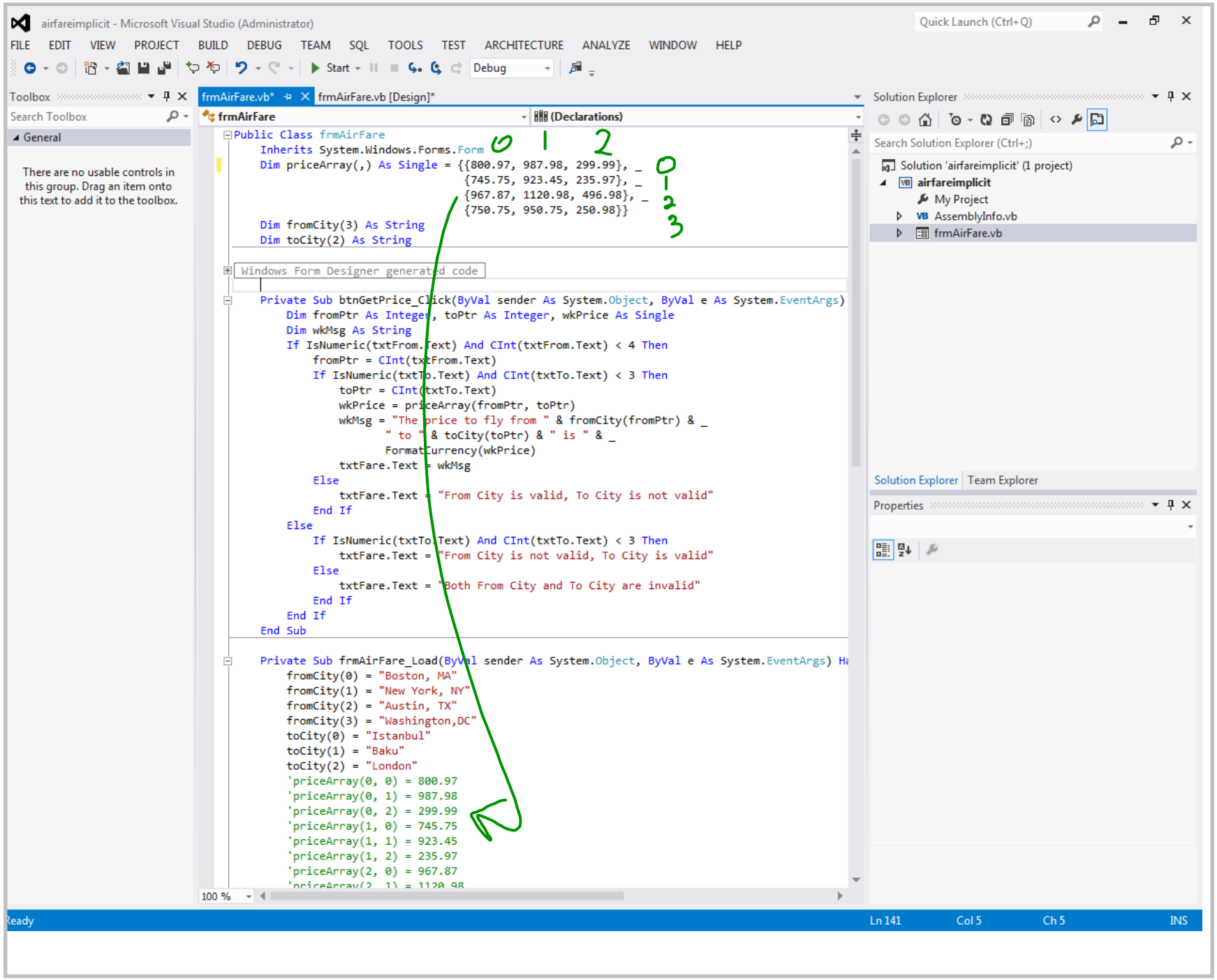
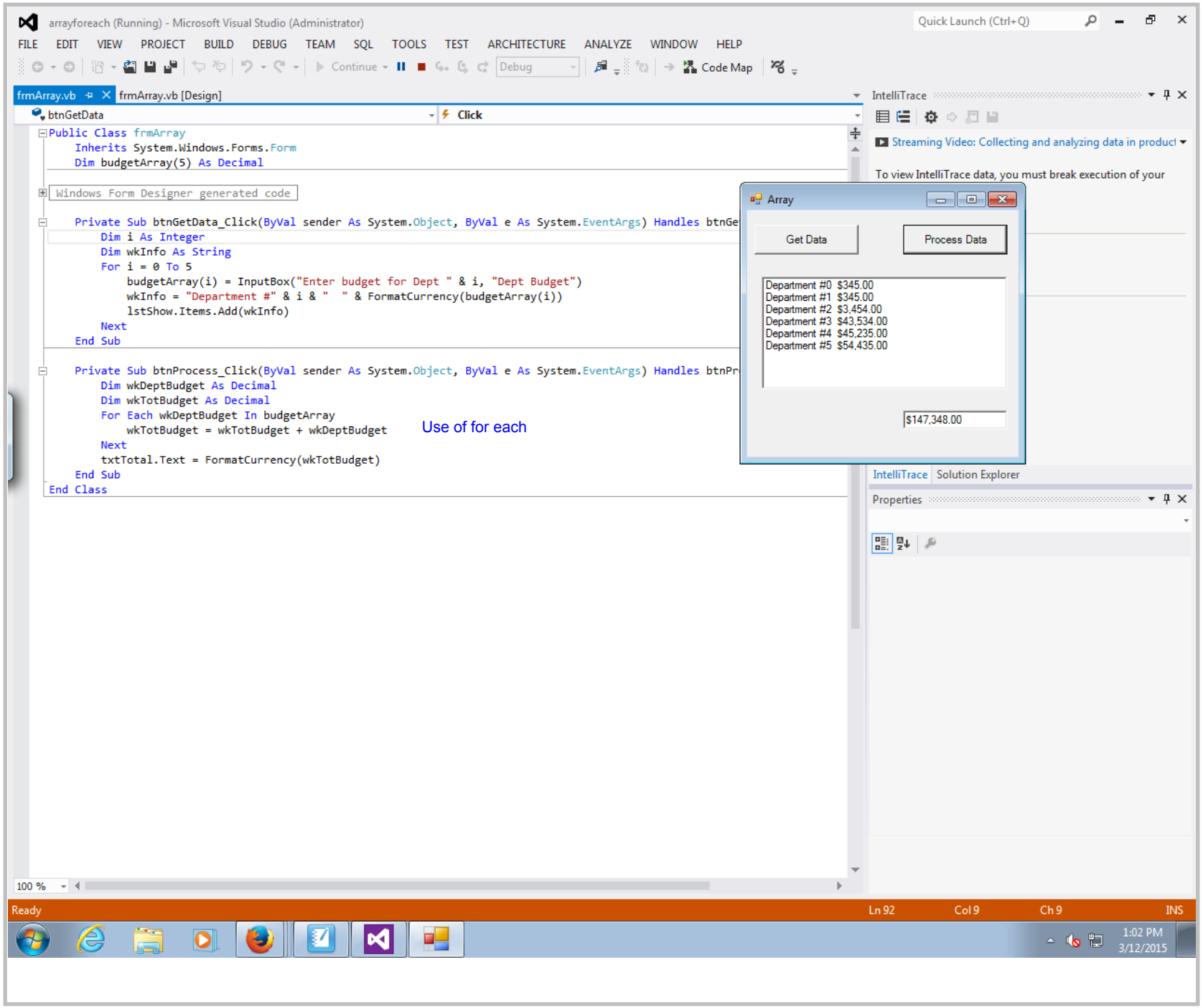

airfare - Microsoft Visual Studio (Administrator)
Quick Launch (Ctrl+Q)
FILE EDIT VIEW PROJECT BUILD DEBUG TEAM SQL TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP
Start
Debug
Toolbox
Search Toolbox
General
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
Two dimensional array.
frmAirFare.vb
frmAirFare.vb [Design]
btnGetPrice
Click
Private Sub btnGetPrice_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Dim fromPtr As Integer, toPtr As Integer, wkPrice As Single
Dim wkMsg As String
If IsNumeric(txtFrom.Text) And CInt(txtFrom.Text) < 4 Then
fromPtr = CInt(txtFrom.Text)
If IsNumeric(txtTo.Text) And CInt(txtTo.Text) < 3 Then
toPtr = CInt(txtTo.Text)
wkPrice = priceArray(fromPtr, toPtr)
wkMsg = "The price to fly from " & fromCity(fromPtr) & _
" to " & toCity(toPtr) & " is " & _
FormatCurrency(wkPrice)
txtFare.Text = wkMsg
Else
txtFare.Text = "From City is valid, To City is not valid"
End If
Else
If IsNumeric(txtTo.Text) And CInt(txtTo.Text) < 3 Then
txtFare.Text = "From City is not valid, To City is valid"
Else
txtFare.Text = "Both From City and To City are invalid"
End If
End If
End Sub
Private Sub frmAirFare_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Ha
fromCity(0) = "Boston, MA"
fromCity(1) = "New York, NY"
fromCity(2) = "Austin, TX"
fromCity(3) = "Washington DC"
toCity(0) = "Istanbul"
toCity(1) = "Baku"
toCity(2) = "London"
priceArray(0, 0) = 800.97
priceArray(0, 1) = 987.98
priceArray(0, 2) = 299.99
priceArray(1, 0) = 745.75
priceArray(1, 1) = 923.45
priceArray(1, 2) = 235.97
priceArray(2, 0) = 967.87
priceArray(2, 1) = 1120.98
priceArray(2, 2) = 496.98
priceArray(3, 0) = 750.75
priceArray(3, 1) = 950.75
priceArray(3, 2) = 250.98
End Sub
Private Sub btnClear_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Har
txtFrom.Clear()
txtTo.Clear()
txtFare.Clear()
100 %
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'airfare' (1 project)
airfare
AssemblyInfo.vb
frmAirFare.vb
Solution Explorer
Team Explorer
Properties
Ready
Ln 140
Col 9
Ch 9
INS

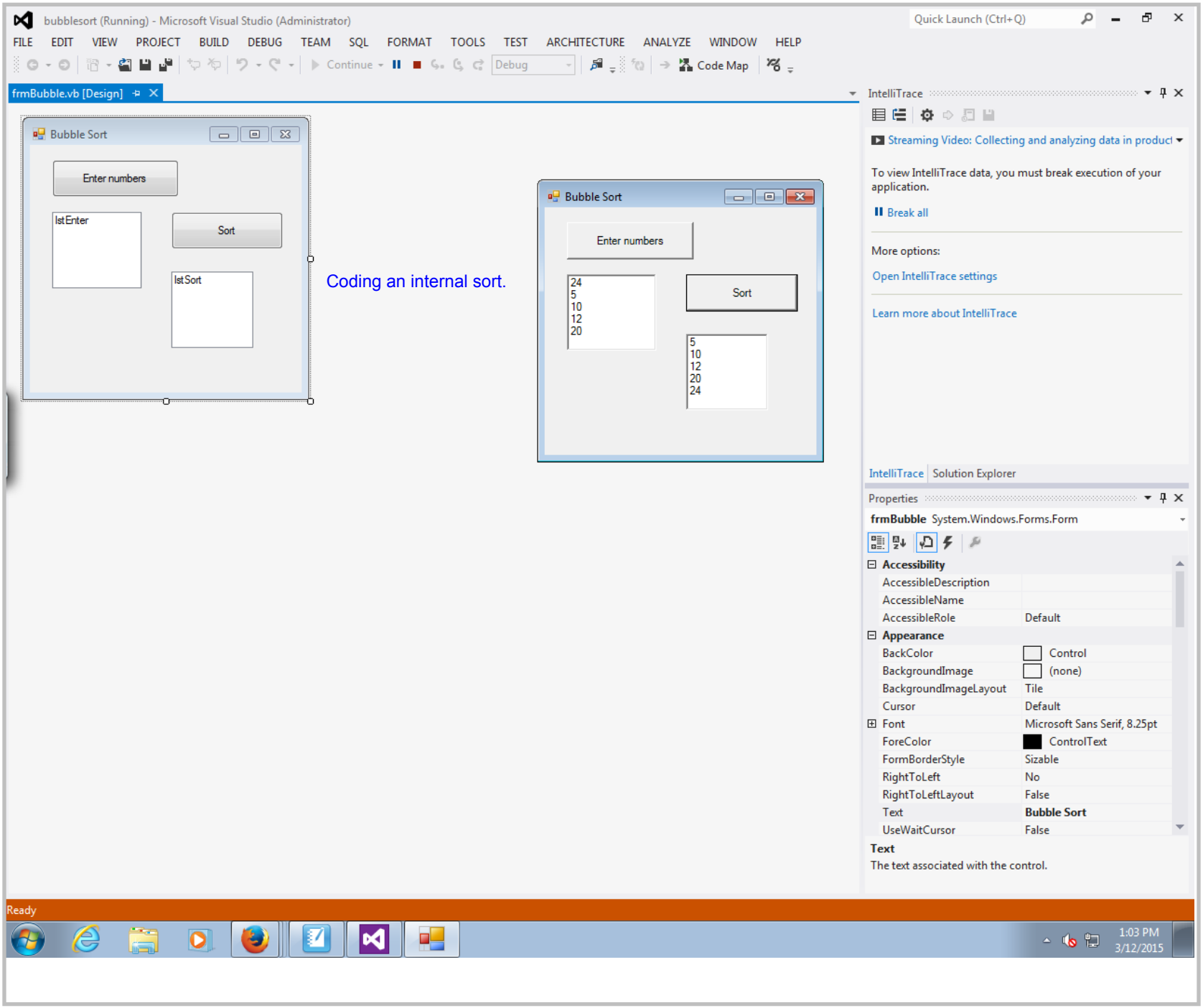

airfare - Microsoft Visual Studio (Administrator)
Quick Launch (Ctrl+Q)
FILE EDIT VIEW PROJECT BUILD DEBUG TEAM SQL TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP
Start
Debug
Toolbox
Search Toolbox
General
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
frmAirFare.vb
frmAirFare.vb [Design]
btnGetPrice
Click
Public Class frmAirFare
Inherits System.Windows.Forms.Form
Dim fromCity(3) As String
Dim toCity(2) As String
Dim priceArray(3, 2) As Single
Windows Form Designer generated code
Private Sub btnGetPrice_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Dim fromPtr As Integer, toPtr As Integer, wkPrice As Single
Dim wkMsg As String
If IsNumeric(txtFrom.Text) And CInt(txtFrom.Text) < 4 Then
fromPtr = CInt(txtFrom.Text)
If IsNumeric(txtTo.Text) And CInt(txtTo.Text) < 3 Then
toPtr = CInt(txtTo.Text)
wkPrice = priceArray(fromPtr, toPtr)
wkMsg = "The price to fly from " & fromCity(fromPtr) & _
" to " & toCity(toPtr) & " is " & _
FormatCurrency(wkPrice)
txtFare.Text = wkMsg
Else
txtFare.Text = "From City is valid, To City is not valid"
End If
Else
If IsNumeric(txtTo.Text) And CInt(txtTo.Text) < 3 Then
txtFare.Text = "From City is not valid, To City is valid"
Else
txtFare.Text = "Both From City and To City are invalid"
End If
End If
End Sub
Private Sub frmAirFare_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Ha
fromCity(0) = "Boston, MA"
fromCity(1) = "New York, NY"
fromCity(2) = "Austin, TX"
fromCity(3) = "Washington,DC"
toCity(0) = "Istanbul"
toCity(1) = "Baku"
toCity(2) = "London"
priceArray(0, 0) = 800.97
priceArray(0, 1) = 987.98
priceArray(0, 2) = 299.99
priceArray(1, 0) = 745.75
priceArray(1, 1) = 923.45
priceArray(1, 2) = 235.97
priceArray(2, 0) = 967.87
priceArray(2, 1) = 1120.98
priceArray(2, 2) = 496.98
priceArray(3, 0) = 750.75
To
From
100 %
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'airfare' (1 project)
airfare
AssemblyInfo.vb
frmAirFare.vb
We ran into some problems with the test for numeric and range.
I need to experiment with this a little.
It appears to be a change in the way things are handled. We will see...
Solution Explorer
Team Explorer
Properties
Ready
Ln 140
Col 9
Ch 9
INS

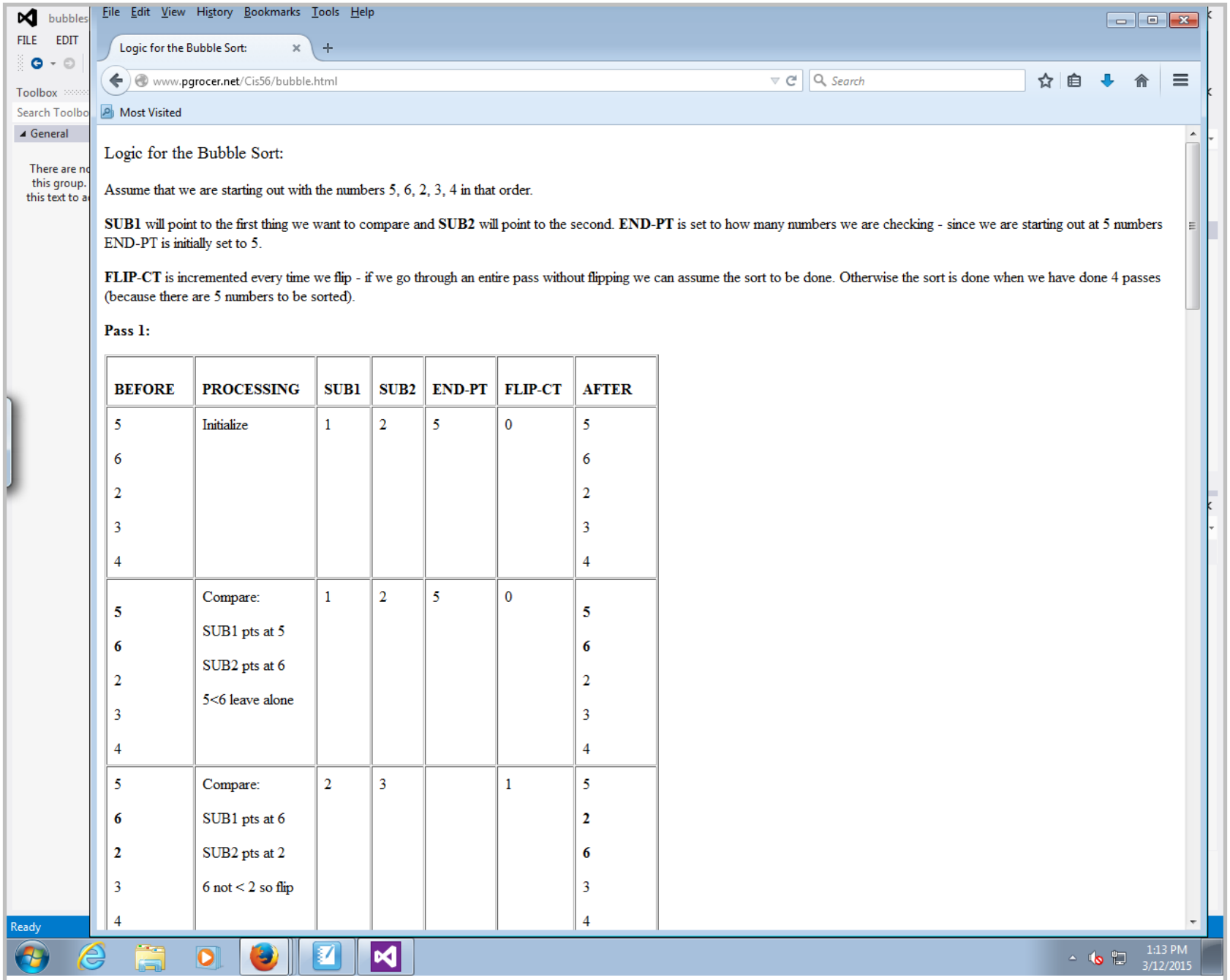

airfare (Running) - Microsoft Visual Studio (Administrator)
Quick Launch (Ctrl+Q)
FILE EDIT VIEW PROJECT BUILD DEBUG TEAM SQL TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP
Continue
Debug
Code Map
frmAirFare.vb
frmAirFare.vb [Design]
btnGetPrice
Click
Public Class frmAirFare
Inherits System.Windows.Forms.Form
Dim fromCity(3) As String
Dim toCity(2) As String
Dim priceArray(3, 2) As Single
Windows Form Designer generated code
Private Sub btnGetPrice_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnGetPrice
Dim fromPtr As Integer, toPtr As Integer, wkPrice As Single
Dim wkMsg As String
If IsNumeric(txtFrom.Text) And CInt(txtFrom.Text) < 4 Then
fromPtr = CInt(txtFrom.Text)
If IsNumeric(txtTo.Text) And CInt(txtTo.Text) < 3 Then
toPtr = CInt(txtTo.Text)
wkPrice = priceArray(fromPtr, toPtr)
wkMsg = "The price to fly from " & fromCity(fromPtr) & _
" to " & toCity(toPtr) & " is " & _
FormatCurrency(wkPrice)
txtFare.Text = wkMsg
Else
txtFare.Text = "From City is valid, To City is not valid"
End If
Else
If IsNumeric(txtTo.Text) And CInt(txtTo.Text) < 3 Then
txtFare.Text = "From City is not valid, To City is valid"
Else
txtFare.Text = "Both From City and To City are invalid"
End If
End If
End Sub
Private Sub frmAirFare_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
fromCity(0) = "Boston, MA"
fromCity(1) = "New York, NY"
fromCity(2) = "Austin, TX"
fromCity(3) = "Washington,DC"
toCity(0) = "Istanbul"
toCity(1) = "Baku"
toCity(2) = "London"
priceArray(0, 0) = 800.97
priceArray(0, 1) = 987.98
priceArray(0, 2) = 299.99
priceArray(1, 0) = 745.75
priceArray(1, 1) = 923.45
priceArray(1, 2) = 235.97
priceArray(2, 0) = 967.87
priceArray(2, 1) = 1120.98
priceArray(2, 2) = 496.98
priceArray(3, 0) = 750.75
100 %
IntelliTrace
Streaming Video: Collecting and analyzing data in product
To view IntelliTrace data, you must break execution of your application.
AirFare Array
From Code:
3
To Code:
0
The price to fly from Washington,DC to Istanbul is $750.75
Get Price
Clear
Exit
Properties
Ready
Ln 142
Col 9
Ch 9
INS

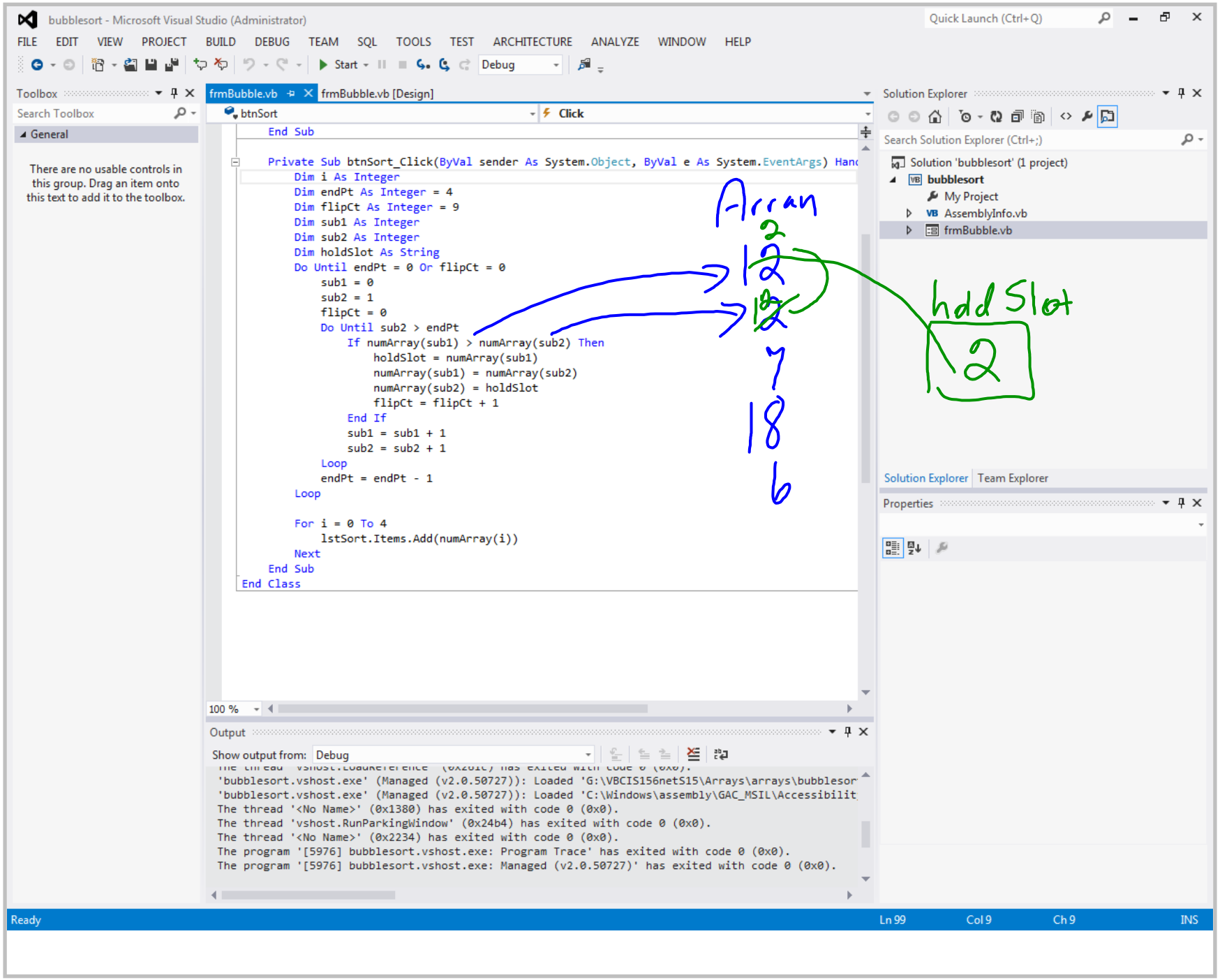

airfareimplicit (Running) - Microsoft Visual Studio (Administrator)
Quick Launch (Ctrl+Q)
FILE EDIT VIEW PROJECT BUILD DEBUG TEAM SQL TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP
Continue
Debug
Code Map
frmAirFare.vb
frmAirFare.vb [Design]
btnGetPrice
Click
Public Class frmAirFare
Inherits System.Windows.Forms.Form
Dim priceArray(,) As Single = {{800.97, 987.98, 299.99}, _
{745.75, 923.45, 235.97}, _
{967.87, 1120.98, 496.98}, _
{750.75, 950.75, 250.98}}
Dim fromCity(3) As String
Dim toCity(2) As String
Windows Form Designer generated code
Private Sub btnGetPrice_Click(ByVal sender As System.Object, ByVal e As System.E
Dim fromPtr As Integer, toPtr As Integer, wkPrice As Single
Dim wkMsg As String
If IsNumeric(txtFrom.Text) And CInt(txtFrom.Text) < 4 Then
fromPtr = CInt(txtFrom.Text)
If IsNumeric(txtTo.Text) And CInt(txtTo.Text) < 3 Then
toPtr = CInt(txtTo.Text)
wkPrice = priceArray(fromPtr, toPtr)
wkMsg = "The price to fly from " & fromCity(fromPtr) & _
" to " & toCity(toPtr) & " is " & _
FormatCurrency(wkPrice)
txtFare.Text = wkMsg
Else
txtFare.Text = "From City is valid, To City is not valid"
End If
Else
If IsNumeric(txtTo.Text) And CInt(txtTo.Text) < 3 Then
txtFare.Text = "From City is not valid, To City is valid"
Else
txtFare.Text = "Both From City and To City are invalid"
End If
End If
End Sub
Private Sub frmAirFare_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
fromCity(0) = "Boston, MA"
fromCity(1) = "New York, NY"
fromCity(2) = "Austin, TX"
fromCity(3) = "Washington,DC"
toCity(0) = "Istanbul"
toCity(1) = "Baku"
toCity(2) = "London"
'priceArray(0, 0) = 800.97
'priceArray(0, 1) = 987.98
'priceArray(0, 2) = 299.99
'priceArray(1, 0) = 745.75
'priceArray(1, 1) = 923.45
'priceArray(1, 2) = 235.97
'priceArray(2, 0) = 967.87
AirFare Array
From Code:
2
To Code:
2
The price to fly from Austin, TX to London is $496.98
Get Price
Clear
Exit
IntelliTrace
Streaming Video: Collecting and analyzing data in product
To view IntelliTrace data, you must break execution of your application.
Break all
More options:
Open IntelliTrace settings
Learn more about IntelliTrace
IntelliTrace
Solution Explorer
Properties
100 %
Ready
Ln 143
Col 9
Ch 9
INS

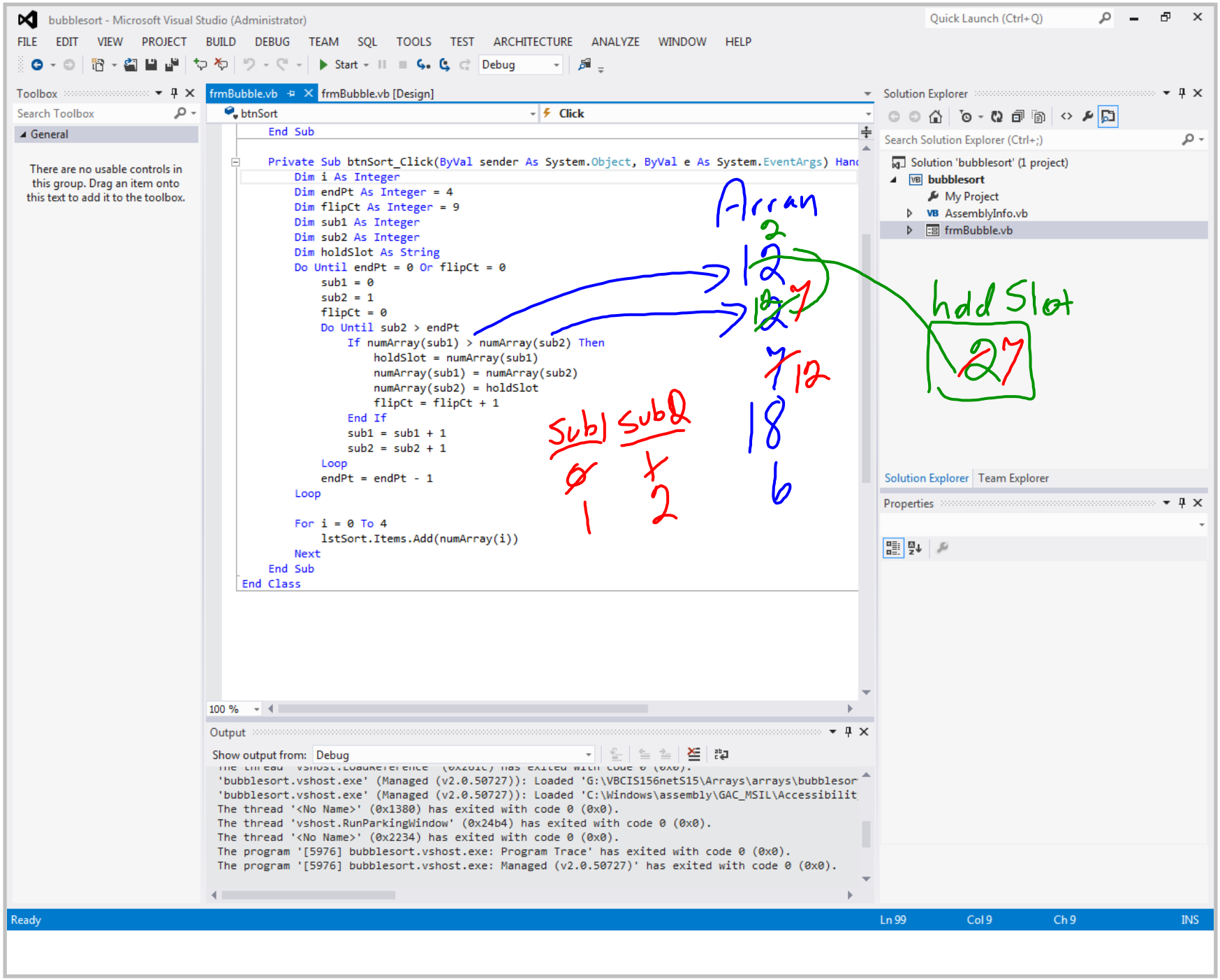

airfareimplicit - Microsoft Visual Studio (Administrator)
Quick Launch (Ctrl+Q)
FILE EDIT VIEW PROJECT BUILD DEBUG TEAM SQL TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP
Start
Debug
Toolbox
Search Toolbox
General
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
frmAirFare.vb*
frmAirFare.vb [Design]*
frmAirFare
(Declarations)
Public Class frmAirFare
Inherits System.Windows.Forms.Form
Dim priceArray(,) As Single = {{800.97, 987.98, 299.99}, _
{745.75, 923.45, 235.97}, _
{967.87, 1120.98, 496.98}, _
{750.75, 950.75, 250.98}}
Dim fromCity(3) As String
Dim toCity(2) As String
Windows Form Designer generated code
Private Sub btnGetPrice_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Dim fromPtr As Integer, toPtr As Integer, wkPrice As Single
Dim wkMsg As String
If IsNumeric(txtFrom.Text) And CInt(txtFrom.Text) < 4 Then
fromPtr = CInt(txtFrom.Text)
If IsNumeric(txtTo.Text) And CInt(txtTo.Text) < 3 Then
toPtr = CInt(txtTo.Text)
wkPrice = priceArray(fromPtr, toPtr)
wkMsg = "The price to fly from " & fromCity(fromPtr) & _
" to " & toCity(toPtr) & " is " & _
FormatCurrency(wkPrice)
txtFare.Text = wkMsg
Else
txtFare.Text = "From City is valid, To City is not valid"
End If
Else
If IsNumeric(txtTo.Text) And CInt(txtTo.Text) < 3 Then
txtFare.Text = "From City is not valid, To City is valid"
Else
txtFare.Text = "Both From City and To City are invalid"
End If
End If
End Sub
Private Sub frmAirFare_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Ha
fromCity(0) = "Boston, MA"
fromCity(1) = "New York, NY"
fromCity(2) = "Austin, TX"
fromCity(3) = "Washington,DC"
toCity(0) = "Istanbul"
toCity(1) = "Baku"
toCity(2) = "London"
'priceArray(0, 0) = 800.97
'priceArray(0, 1) = 987.98
'priceArray(0, 2) = 299.99
'priceArray(1, 0) = 745.75
'priceArray(1, 1) = 923.45
'priceArray(1, 2) = 235.97
'priceArray(2, 0) = 967.87
0 1 2
0
1
2
3
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'airfareimplicit' (1 project)
airfareimplicit
My Project
AssemblyInfo.vb
frmAirFare.vb
Solution Explorer
Team Explorer
Properties
100 %
Ready
Ln 141
Col 5
Ch 5
INS

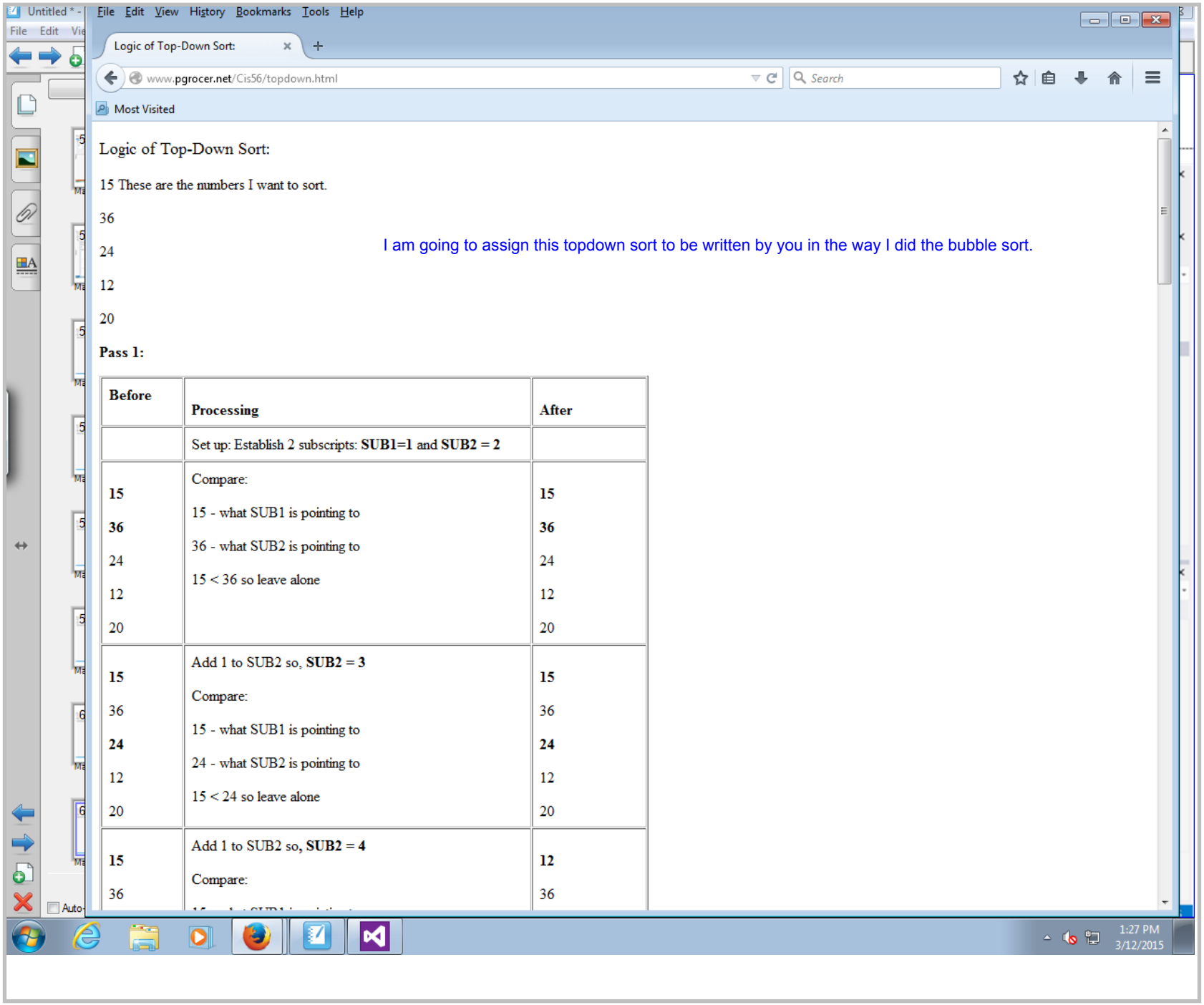

arrayforeach (Running) - Microsoft Visual Studio (Administrator)
Quick Launch (Ctrl+Q)
FILE EDIT VIEW PROJECT BUILD DEBUG TEAM SQL TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP
Continue
Debug
Code Map
frmArray.vb
frmArray.vb [Design]
btnGetData
Click
Public Class frmArray
Inherits System.Windows.Forms.Form
Dim budgetArray(5) As Decimal
Windows Form Designer generated code
Private Sub btnGetData_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnGe
Dim i As Integer
Dim wkInfo As String
For i = 0 To 5
budgetArray(i) = InputBox("Enter budget for Dept " & i, "Dept Budget")
wkInfo = "Department #" & i & " " & FormatCurrency(budgetArray(i))
lstShow.Items.Add(wkInfo)
Next
End Sub
Private Sub btnProcess_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnPr
Dim wkDeptBudget As Decimal
Dim wkTotBudget As Decimal
For Each wkDeptBudget In budgetArray
wkTotBudget = wkTotBudget + wkDeptBudget
Next
txtTotal.Text = FormatCurrency(wkTotBudget)
End Sub
End Class
Use of for each
Array
Get Data
Process Data
Department #0 $345.00
Department #1 $345.00
Department #2 $3,454.00
Department #3 $43,534.00
Department #4 $45,235.00
Department #5 $54,435.00
$147,348.00
IntelliTrace
Streaming Video: Collecting and analyzing data in product
To view IntelliTrace data, you must break execution of your
IntelliTrace
Solution Explorer
Properties
100 %
Ready
Ln 92
Col 9
Ch 9
INS
1:02 PM
3/12/2015

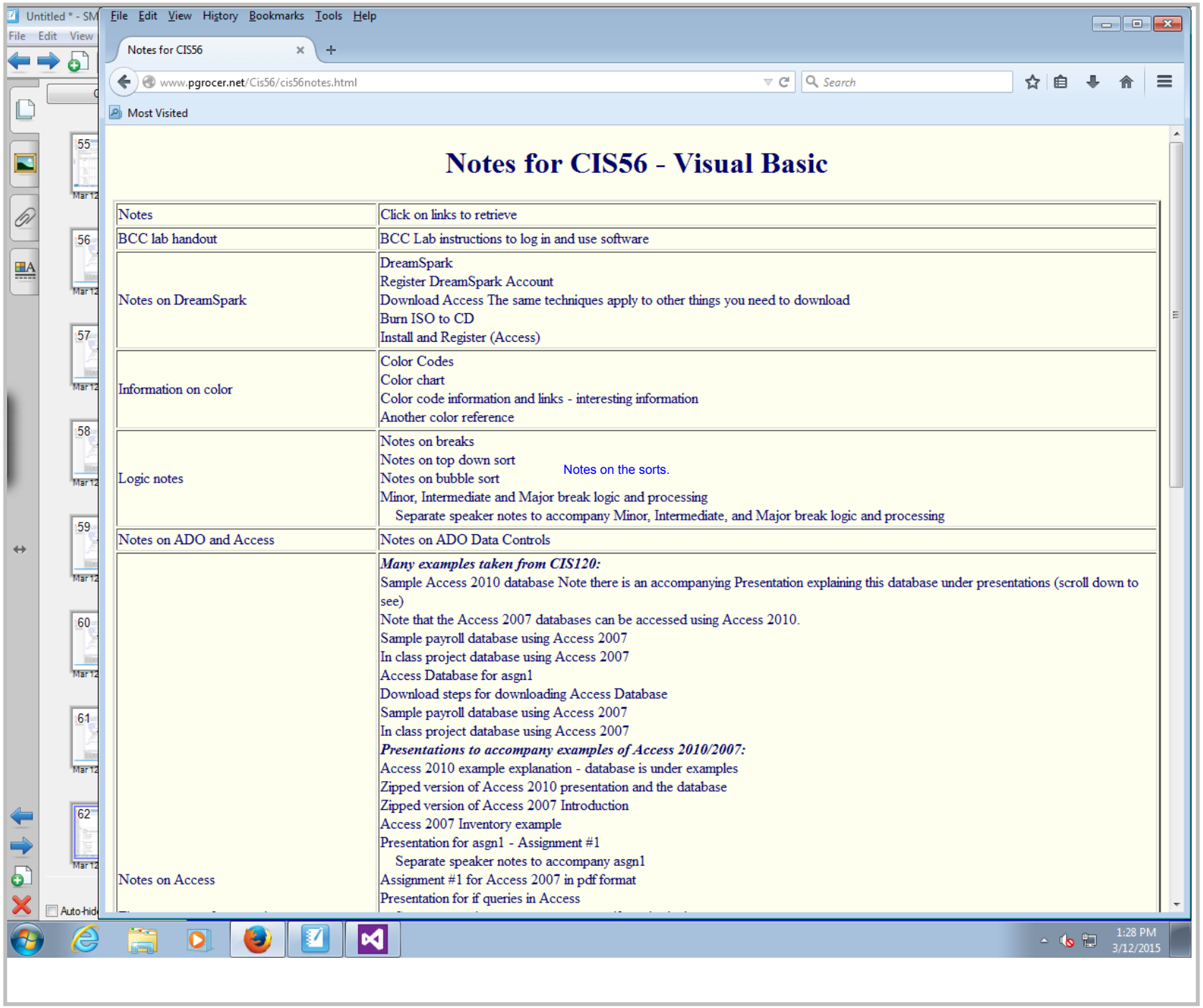

bubblesort (Running) - Microsoft Visual Studio (Administrator)
Quick Launch (Ctrl+Q)
FILE EDIT VIEW PROJECT BUILD DEBUG TEAM SQL FORMAT TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP
Continue
Debug
Code Map
frmBubble.vb [Design]
Bubble Sort
Enter numbers
lstEnter
Sort
lstSort
Coding an internal sort.
Bubble Sort
Enter numbers
24
5
10
12
20
Sort
5
10
12
20
24
IntelliTrace
Streaming Video: Collecting and analyzing data in product
To view IntelliTrace data, you must break execution of your application.
Break all
More options:
Open IntelliTrace settings
Learn more about IntelliTrace
IntelliTrace
Solution Explorer
Properties
frmBubble System.Windows.Forms.Form
Accessibility
AccessibleDescription
AccessibleName
AccessibleRole Default
Appearance
BackColor Control
BackgroundImage (none)
BackgroundImageLayout Tile
Cursor Default
Font Microsoft Sans Serif, 8.25pt
ForeColor ControlText
FormBorderStyle Sizable
RightToLeft No
RightToLeftLayout False
Text Bubble Sort
UseWaitCursor False
Text
The text associated with the control.
Ready
1:03 PM
3/12/2015


bubbles
FILE EDIT
Toolbox
Search Toolbo
General
There are nc
this group.
this text to a
File Edit View History Bookmarks Tools Help
Logic for the Bubble Sort:
www.pgrocer.net/Cis56/bubble.html
Search
Most Visited
Logic for the Bubble Sort:
Assume that we are starting out with the numbers 5, 6, 2, 3, 4 in that order.
SUB1 will point to the first thing we want to compare and SUB2 will point to the second. END-PT is set to how many numbers we are checking - since we are starting out at 5 numbers END-PT is initially set to 5.
FLIP-CT is incremented every time we flip - if we go through an entire pass without flipping we can assume the sort to be done. Otherwise the sort is done when we have done 4 passes (because there are 5 numbers to be sorted).
Pass 1:
BEFORE
PROCESSING
SUB1
SUB2
END-PT
FLIP-CT
AFTER
5 6 2 3 4
Initialize
1
2
5
0
5 6 2 3 4
5 6 2 3 4
Compare:
SUB1 pts at 5
SUB2 pts at 6
5<6 leave alone
1
2
5
0
5 6 2 3 4
5 6 2 3 4
Compare:
SUB1 pts at 6
SUB2 pts at 2
6 not < 2 so flip
2
3
1
5 2 6 3 4
Ready
1:13 PM
3/12/2015

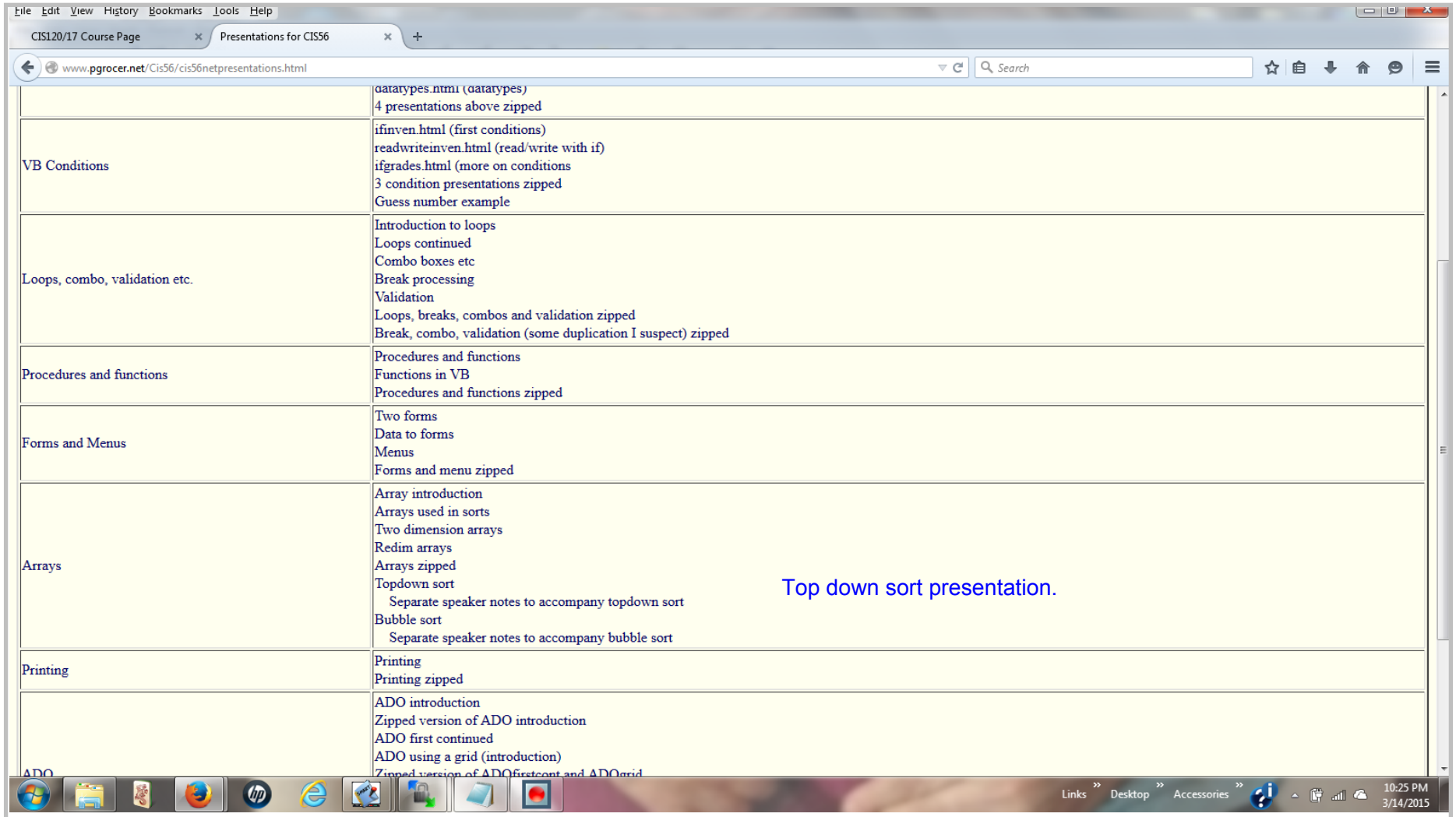

bubblesort - Microsoft Visual Studio (Administrator)
Quick Launch (Ctrl+Q)
FILE EDIT VIEW PROJECT BUILD DEBUG TEAM SQL TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP
Start
Debug
Toolbox
Search Toolbox
General
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
frmBubble.vb
frmBubble.vb [Design]
btnSort
Click
End Sub
Private Sub btnSort_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Hand
Dim i As Integer
Dim endPt As Integer = 4
Dim flipCt As Integer = 9
Dim sub1 As Integer
Dim sub2 As Integer
Dim holdSlot As String
Do Until endPt = 0 Or flipCt = 0
sub1 = 0
sub2 = 1
flipCt = 0
Do Until sub2 > endPt
If numArray(sub1) > numArray(sub2) Then
holdSlot = numArray(sub1)
numArray(sub1) = numArray(sub2)
numArray(sub2) = holdSlot
flipCt = flipCt + 1
End If
sub1 = sub1 + 1
sub2 = sub2 + 1
Loop
endPt = endPt - 1
Loop
For i = 0 To 4
lstSort.Items.Add(numArray(i))
Next
End Sub
End Class
Array
2
12
12
7
18
6
hold Slot
2
100 %
Output
Show output from: Debug
'bubblesort.vshost.exe' (Managed (v2.0.50727)): Loaded 'G:\VBCIS156netS15\Arrays\arrays\bubblesor
'bubblesort.vshost.exe' (Managed (v2.0.50727)): Loaded 'C:\Windows\assembly\GAC_MSIL\Accessibilit
The thread '<No Name>' (0x1380) has exited with code 0 (0x0).
The thread 'vshost.RunParkingWindow' (0x24b4) has exited with code 0 (0x0).
The thread '<No Name>' (0x2234) has exited with code 0 (0x0).
The program '[5976] bubblesort.vshost.exe: Program Trace' has exited with code 0 (0x0).
The program '[5976] bubblesort.vshost.exe: Managed (v2.0.50727)' has exited with code 0 (0x0).
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'bubblesort' (1 project)
bubblesort
My Project
AssemblyInfo.vb
frmBubble.vb
Solution Explorer
Team Explorer
Properties
Ready
Ln 99
Col 9
Ch 9
INS


bubblesort - Microsoft Visual Studio (Administrator)
Quick Launch (Ctrl+Q)
FILE EDIT VIEW PROJECT BUILD DEBUG TEAM SQL TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP
Start
Debug
Toolbox
Search Toolbox
General
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
frmBubble.vb
frmBubble.vb [Design]
btnSort
Click
End Sub
Private Sub btnSort_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Hanc
Dim i As Integer
Dim endPt As Integer = 4
Dim flipCt As Integer = 9
Dim sub1 As Integer
Dim sub2 As Integer
Dim holdSlot As String
Do Until endPt = 0 Or flipCt = 0
sub1 = 0
sub2 = 1
flipCt = 0
Do Until sub2 > endPt
If numArray(sub1) > numArray(sub2) Then
holdSlot = numArray(sub1)
numArray(sub1) = numArray(sub2)
numArray(sub2) = holdSlot
flipCt = flipCt + 1
End If
sub1 = sub1 + 1
sub2 = sub2 + 1
Loop
endPt = endPt - 1
Loop
For i = 0 To 4
lstSort.Items.Add(numArray(i))
Next
End Sub
End Class
Array
2
12
12
7
7 12
18
6
holdSlot
27
Sub1 Sub2
0 1
1 2
100 %
Output
Show output from: Debug
'bubblesort.vshost.exe' (Managed (v2.0.50727)): Loaded 'G:\VBCIS156netS15\Arrays\arrays\bubblesor
'bubblesort.vshost.exe' (Managed (v2.0.50727)): Loaded 'C:\Windows\assembly\GAC_MSIL\Accessibilit
The thread '<No Name>' (0x1380) has exited with code 0 (0x0).
The thread 'vshost.RunParkingWindow' (0x24b4) has exited with code 0 (0x0).
The thread '<No Name>' (0x2234) has exited with code 0 (0x0).
The program '[5976] bubblesort.vshost.exe: Program Trace' has exited with code 0 (0x0).
The program '[5976] bubblesort.vshost.exe: Managed (v2.0.50727)' has exited with code 0 (0x0).
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'bubblesort' (1 project)
bubblesort
My Project
AssemblyInfo.vb
frmBubble.vb
Solution Explorer
Team Explorer
Properties
Ready
Ln 99
Col 9
Ch 9
INS

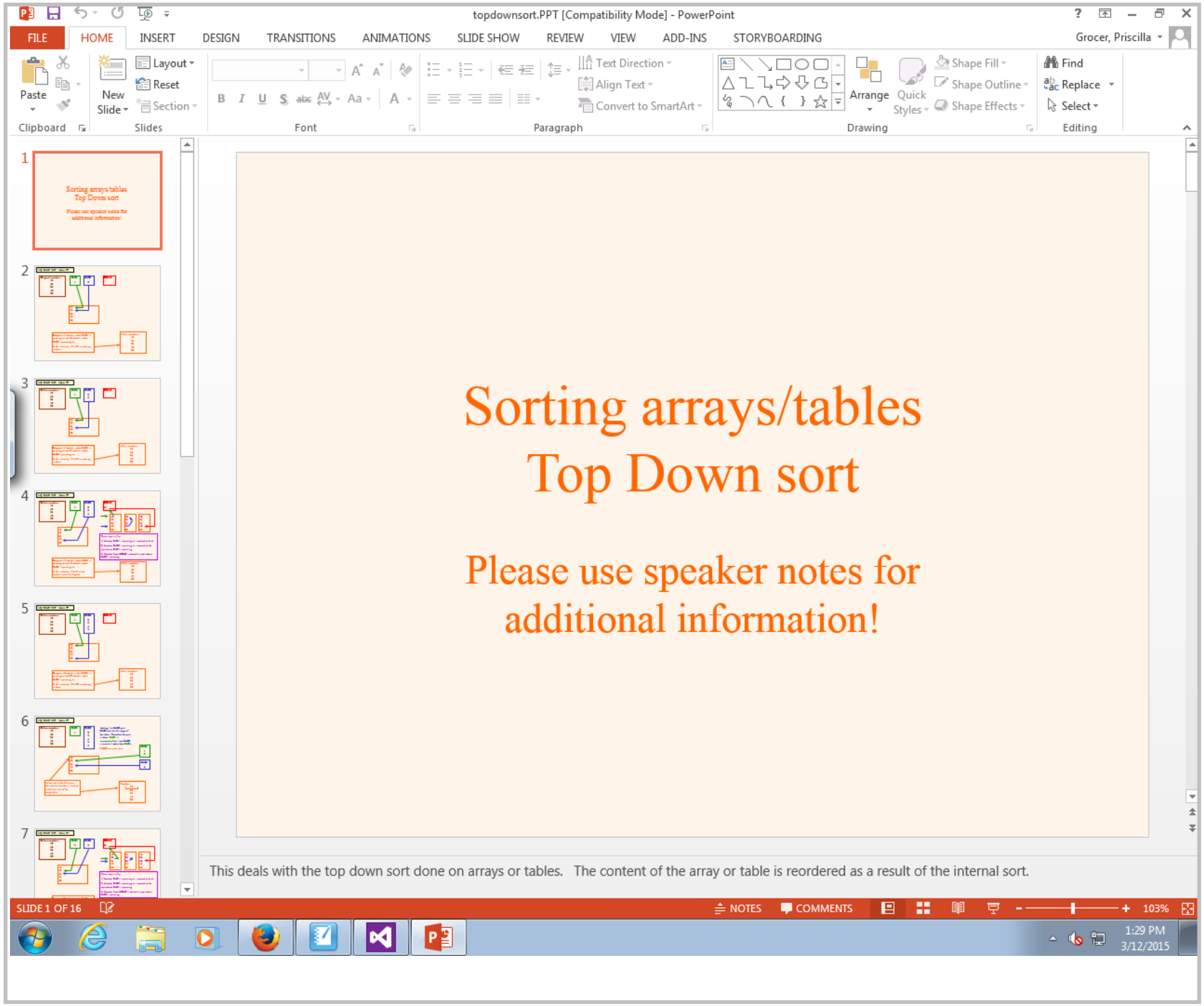

File Edit View History Bookmarks Tools Help
Logic of Top-Down Sort:
www.pgrocer.net/Cis56/topdown.html
Search
Most Visited
Logic of Top-Down Sort:
15 These are the numbers I want to sort.
36
24
12
20
I am going to assign this topdown sort to be written by you in the way I did the bubble sort.
Pass 1:
Before
Processing
After
Set up: Establish 2 subscripts: SUB1=1 and SUB2 = 2
15
36
24
12
20
Compare:
15 - what SUB1 is pointing to
36 - what SUB2 is pointing to
15 < 36 so leave alone
15
36
24
12
20
Add 1 to SUB2 so, SUB2 = 3
Compare:
15 - what SUB1 is pointing to
24 - what SUB2 is pointing to
15 < 24 so leave alone
15
36
24
12
20
15
36
Add 1 to SUB2 so, SUB2 = 4
Compare:
12
36
1:27 PM
3/12/2015



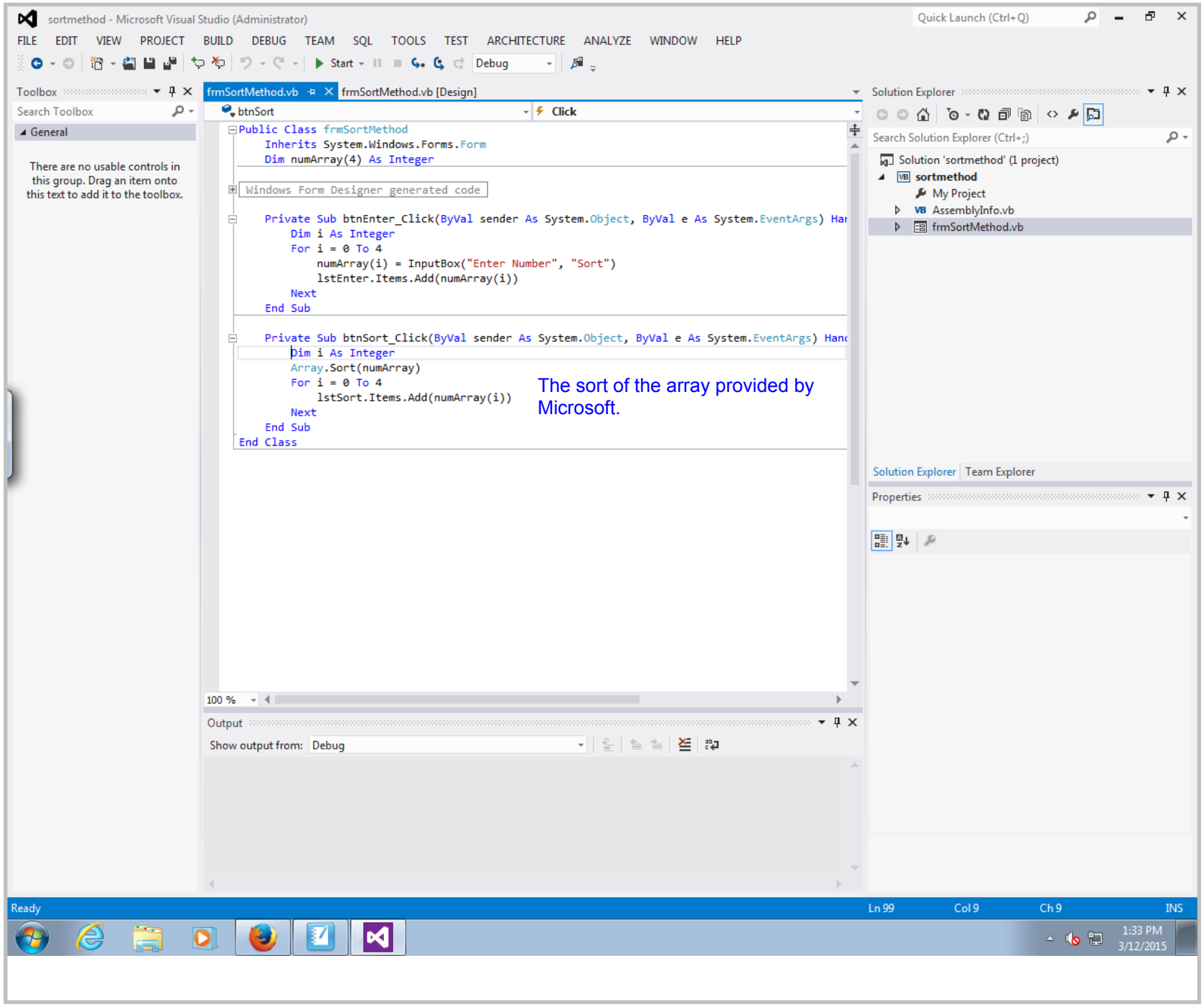
Title: Mar 12-1:28 PM (12 of 17)

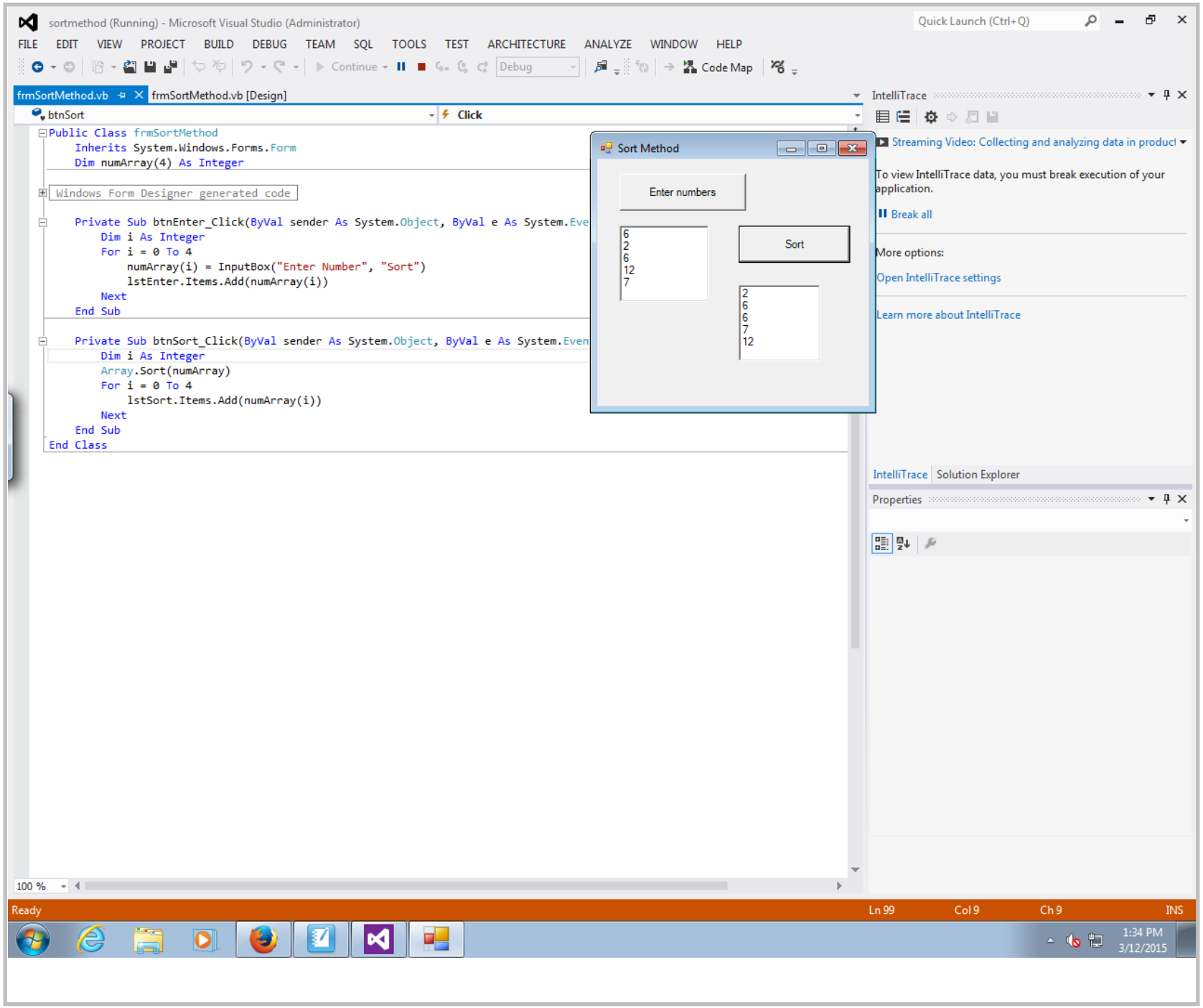


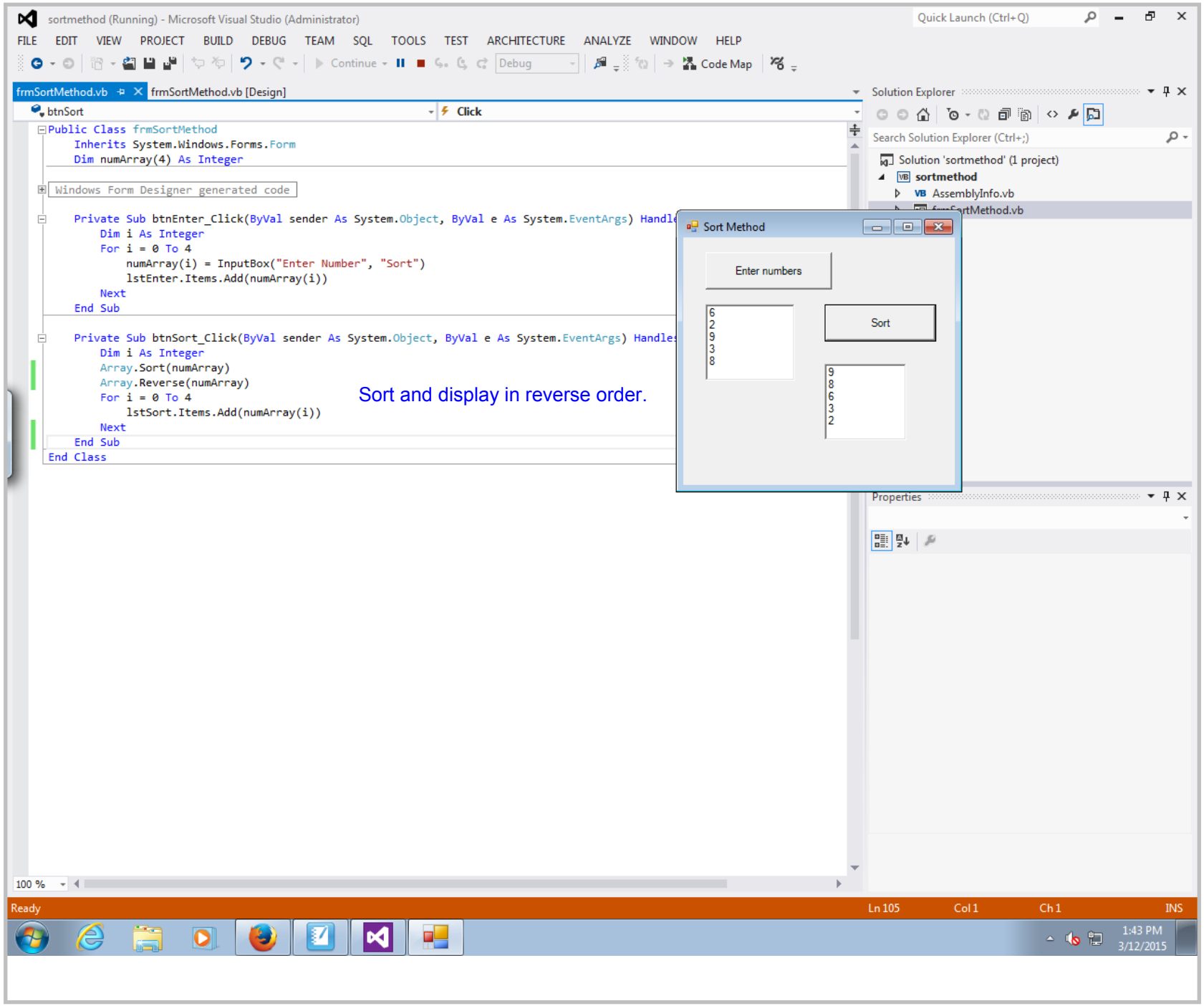
Title: Mar 14-10:25 PM (13 of 17)



Title: Mar 12-1:29 PM (14 of 17)


sortmethod - Microsoft Visual Studio (Administrator)
Quick Launch (Ctrl+Q)
FILE EDIT VIEW PROJECT BUILD DEBUG TEAM SQL TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP
Start
Debug
Toolbox
Search Toolbox
General
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
frmSortMethod.vb
frmSortMethod.vb [Design]
btnSort
Click
Public Class frmSortMethod
Inherits System.Windows.Forms.Form
Dim numArray(4) As Integer
Windows Form Designer generated code
Private Sub btnEnter_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Han
Dim i As Integer
For i = 0 To 4
numArray(i) = InputBox("Enter Number", "Sort")
lstEnter.Items.Add(numArray(i))
Next
End Sub
Private Sub btnSort_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Hanc
Dim i As Integer
Array.Sort(numArray)
For i = 0 To 4
lstSort.Items.Add(numArray(i))
Next
End Sub
End Class
The sort of the array provided by Microsoft.
100 %
Output
Show output from: Debug
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'sortmethod' (1 project)
sortmethod
My Project
AssemblyInfo.vb
frmSortMethod.vb
Solution Explorer
Team Explorer
Properties
Ready
Ln 99
Col 9
Ch 9
INS
1:33 PM
3/12/2015


sortmethod (Running) - Microsoft Visual Studio (Administrator)
Quick Launch (Ctrl+Q)
FILE EDIT VIEW PROJECT BUILD DEBUG TEAM SQL TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP
Continue
Debug
Code Map
frmSortMethod.vb
frmSortMethod.vb [Design]
btnSort
Click
Public Class frmSortMethod
Inherits System.Windows.Forms.Form
Dim numArray(4) As Integer
Windows Form Designer generated code
Private Sub btnEnter_Click(ByVal sender As System.Object, ByVal e As System.Eve
Dim i As Integer
For i = 0 To 4
numArray(i) = InputBox("Enter Number", "Sort")
lstEnter.Items.Add(numArray(i))
Next
End Sub
Private Sub btnSort_Click(ByVal sender As System.Object, ByVal e As System.Even
Dim i As Integer
Array.Sort(numArray)
For i = 0 To 4
lstSort.Items.Add(numArray(i))
Next
End Sub
End Class
Sort Method
Enter numbers
6
2
6
12
7
Sort
2
6
6
7
12
IntelliTrace
Streaming Video: Collecting and analyzing data in product
To view IntelliTrace data, you must break execution of your application.
Break all
More options:
Open IntelliTrace settings
Learn more about IntelliTrace
IntelliTrace
Solution Explorer
Properties
100 %
Ready
Ln 99
Col 9
Ch 9
INS
1:34 PM
3/12/2015


sortmethod (Running) - Microsoft Visual Studio (Administrator)
Quick Launch (Ctrl+Q)
FILE EDIT VIEW PROJECT BUILD DEBUG TEAM SQL TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP
Continue
Debug
Code Map
frmSortMethod.vb
frmSortMethod.vb [Design]
btnSort
Click
Public Class frmSortMethod
Inherits System.Windows.Forms.Form
Dim numArray(4) As Integer
Windows Form Designer generated code
Private Sub btnEnter_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
Dim i As Integer
For i = 0 To 4
numArray(i) = InputBox("Enter Number", "Sort")
lstEnter.Items.Add(numArray(i))
Next
End Sub
Private Sub btnSort_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Dim i As Integer
Array.Sort(numArray)
Array.Reverse(numArray)
For i = 0 To 4
lstSort.Items.Add(numArray(i))
Next
End Sub
End Class
Sort and display in reverse order.
Sort Method
Enter numbers
6
2
9
3
8
Sort
9
8
6
3
2
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'sortmethod' (1 project)
sortmethod
AssemblyInfo.vb
Properties
100 %
Ready
Ln 105
Col 1
Ch 1
INS
1:43 PM
3/12/2015