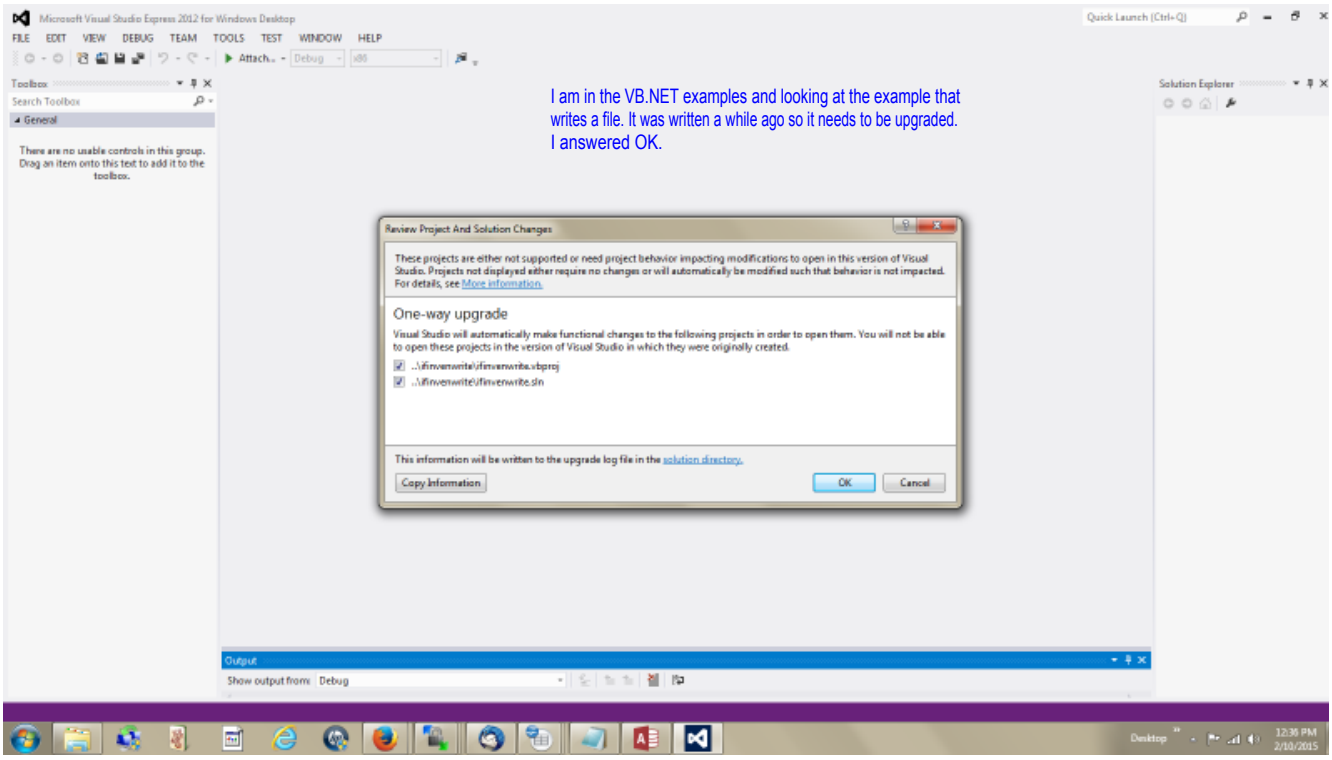
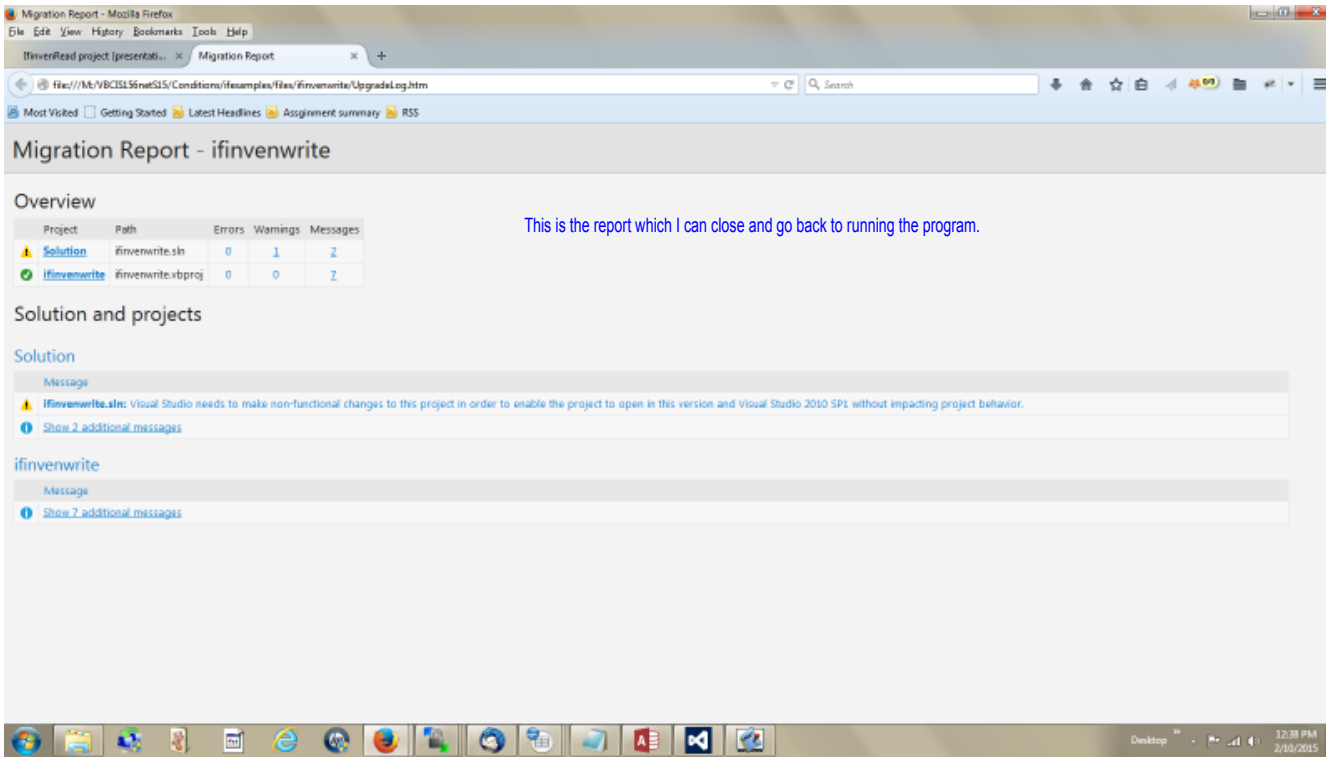
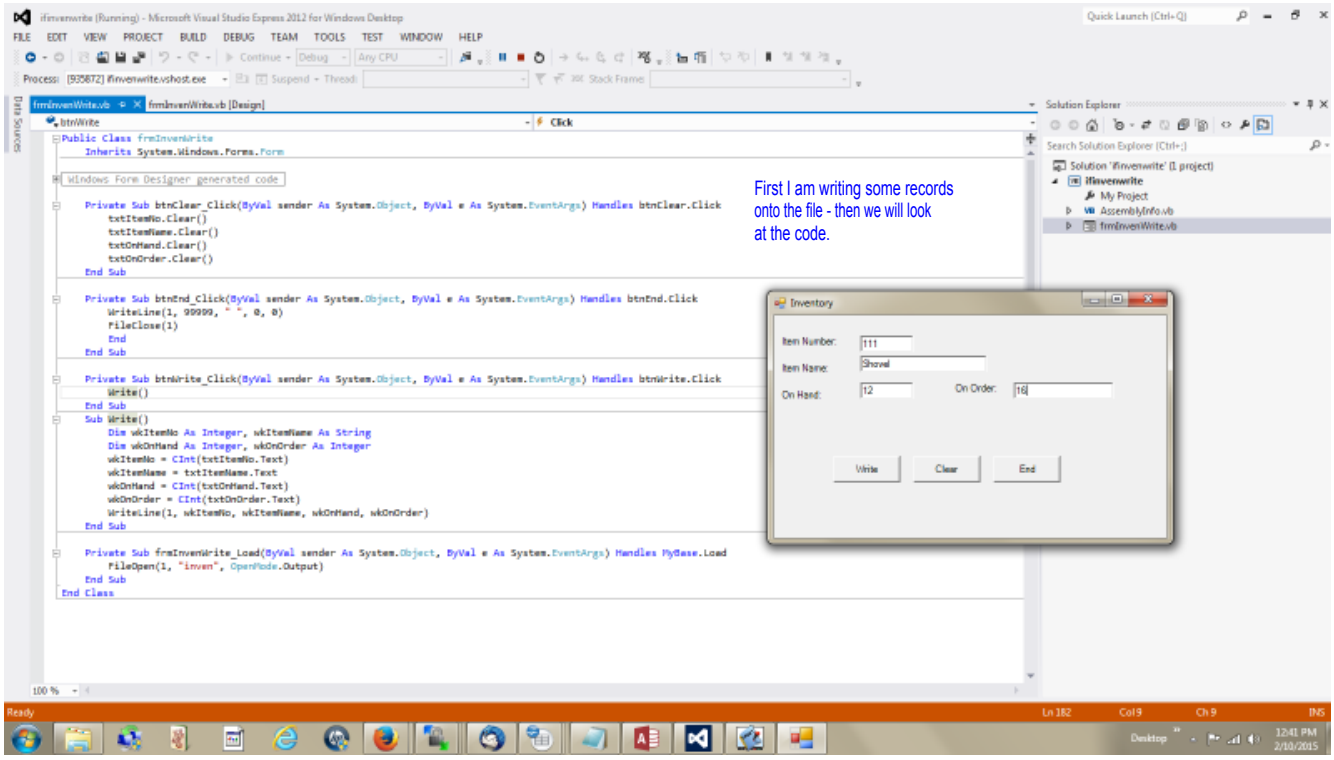
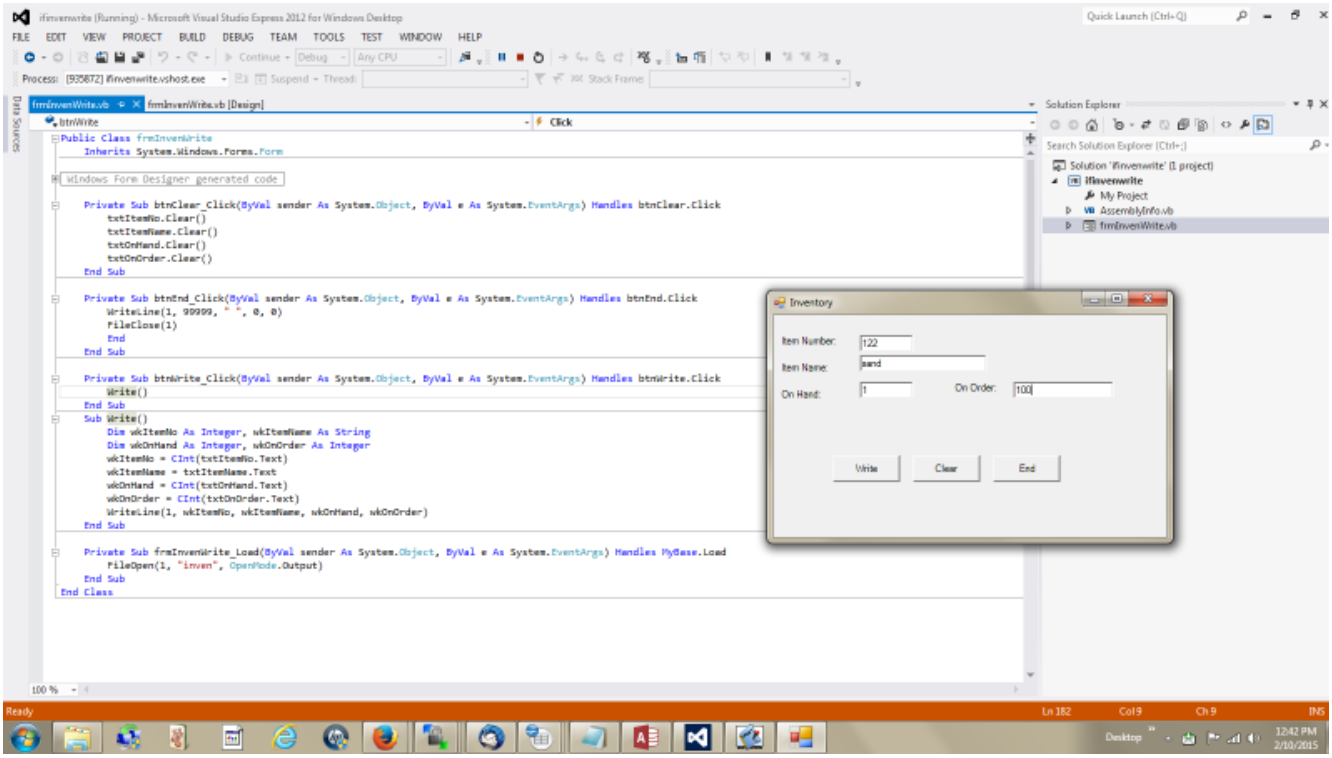
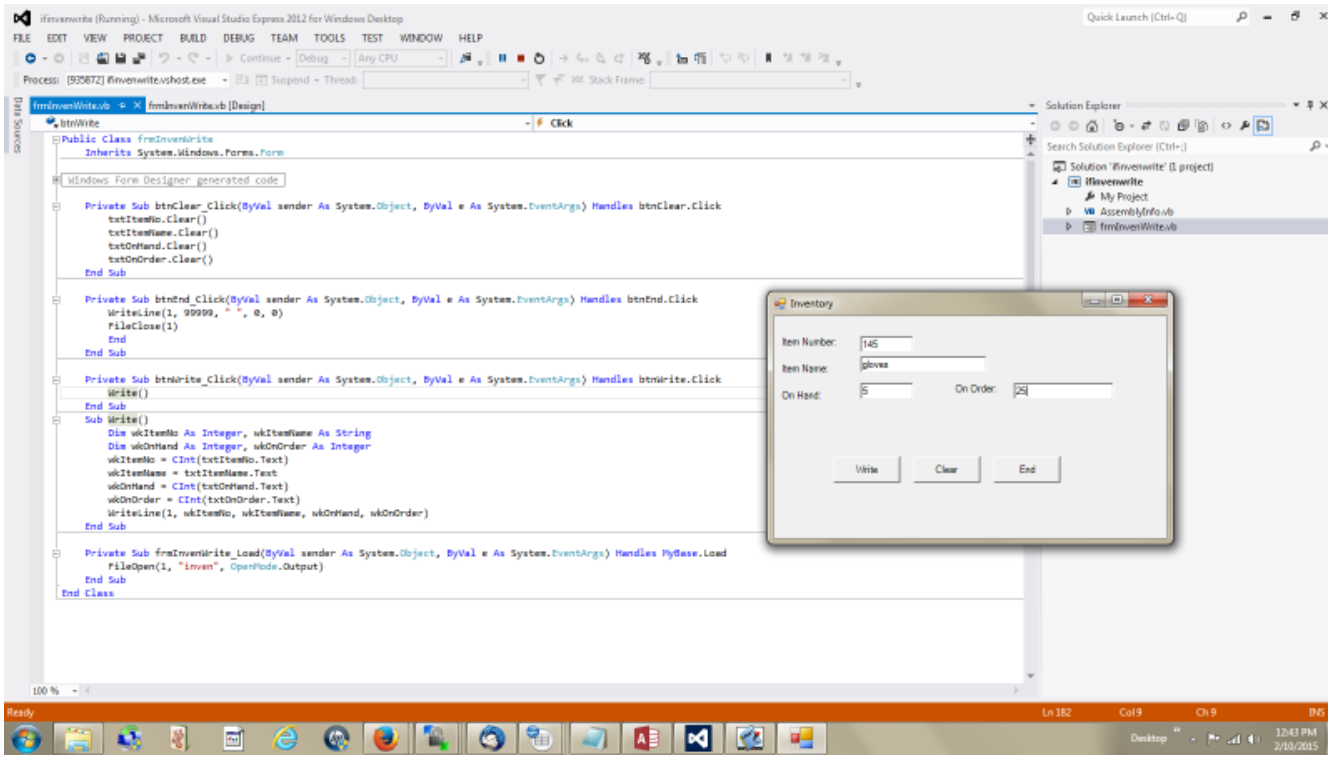

Microsoft Visual Studio Express 2012 for Windows Desktop
FILE EDIT VIEW DEBUG TEAM TOOLS TEST WINDOW HELP
Toolbox
Search Toolbox
General
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
I am in the VB.NET examples and looking at the example that writes a file. It was written a while ago so it needs to be upgraded. I answered OK.
Solution Explorer
Review Project And Solution Changes
These projects are either not supported or need project behavior impacting modifications to open in this version of Visual Studio. Projects not displayed either require no changes or will automatically be modified such that behavior is not impacted. For details, see More information.
One-way upgrade
Visual Studio will automatically make functional changes to the following projects in order to open them. You will not be able to open these projects in the version of Visual Studio in which they were originally created.
..\finvenwrite\finvenwrite.vbproj
..\finvenwrite\finvenwrite.sln
This information will be written to the upgrade log file in the solution directory.
Copy Information
OK
Cancel
Output
Show output from: Debug
Desktop
12:36 PM
2/10/2015

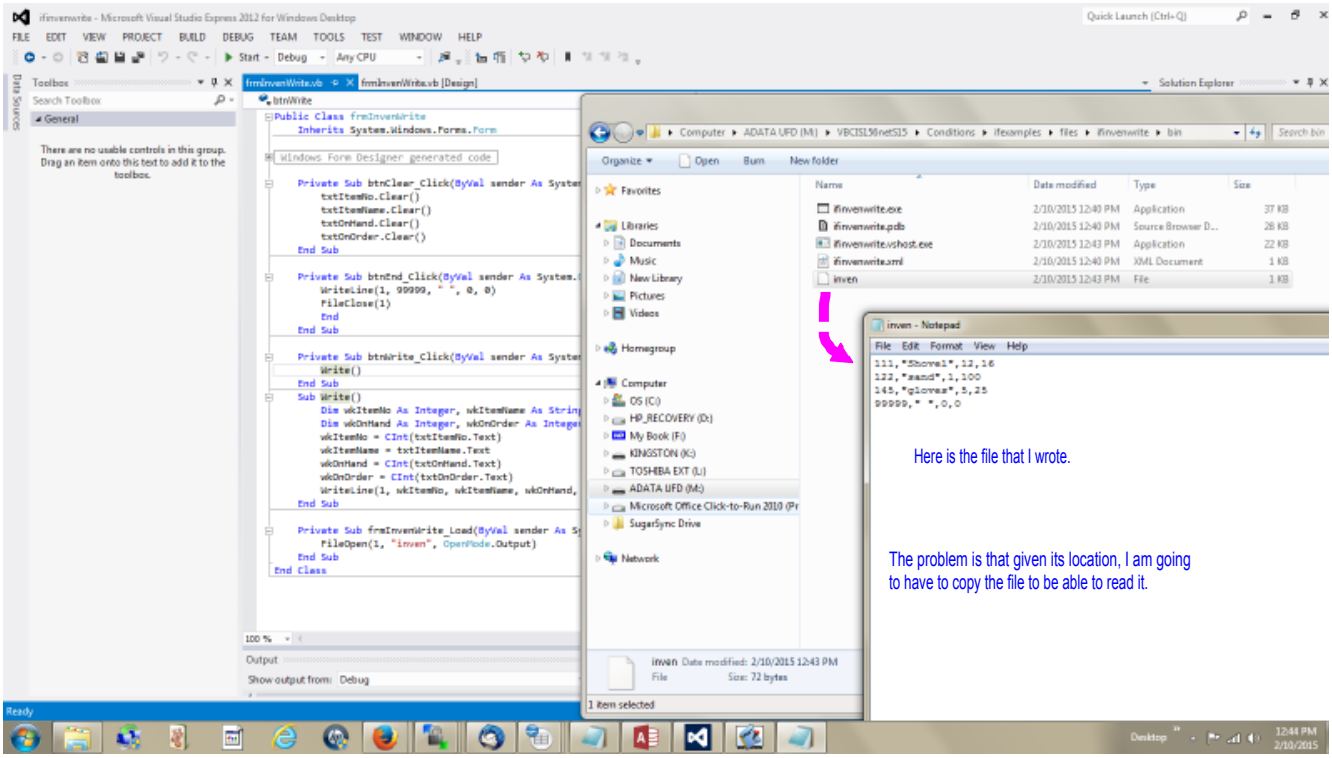


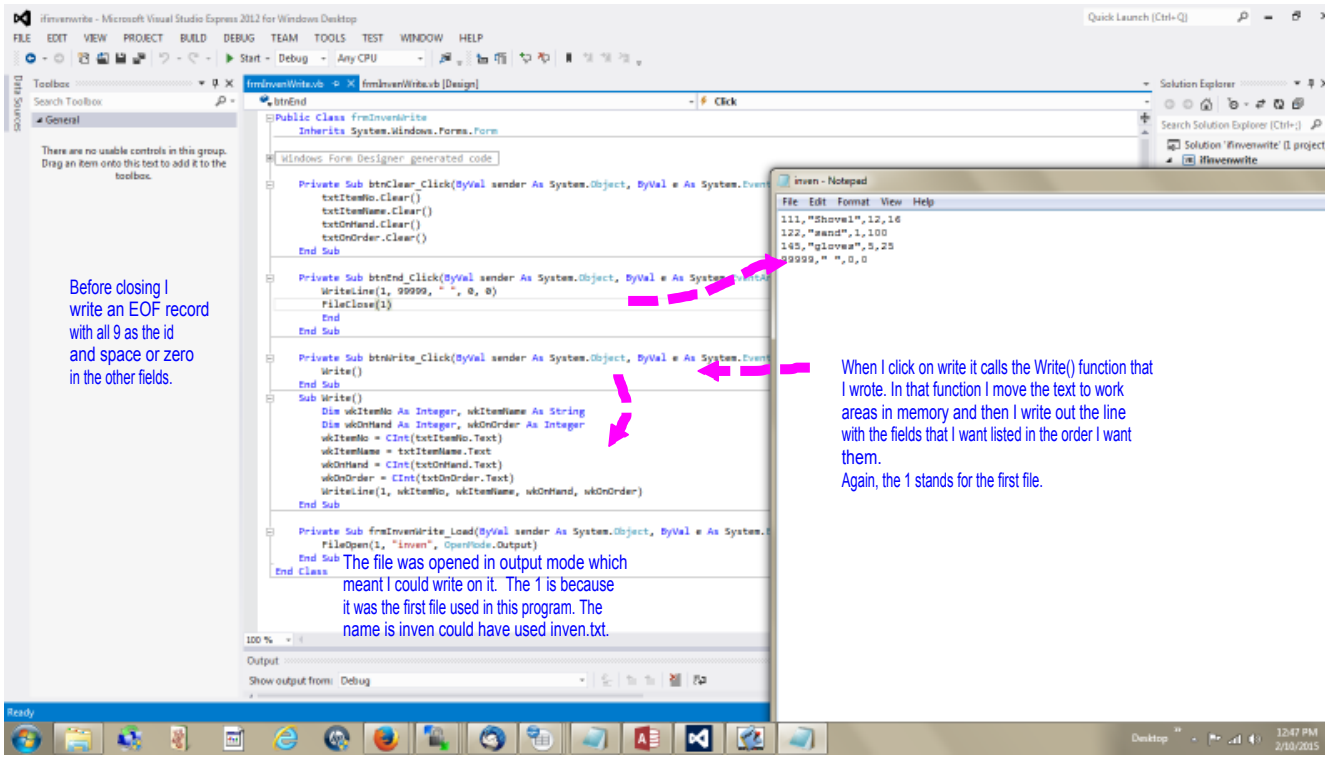
This is the report which I can close and go back to running the program.

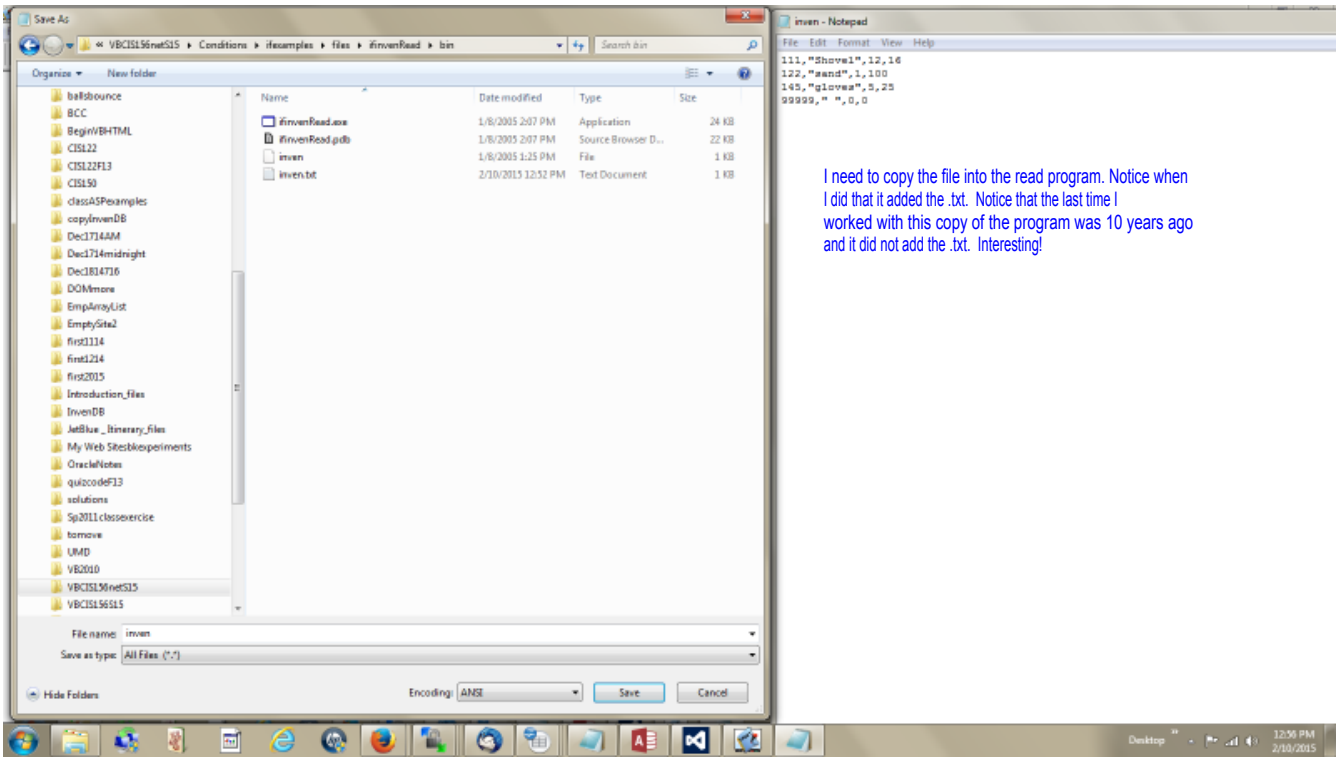

First I am writing some records onto the file - then we will look at the code.
Inventory
Item Number:
111
Item Name:
Shovel
On Hand:
12
On Order:
16
Write
Clear
End

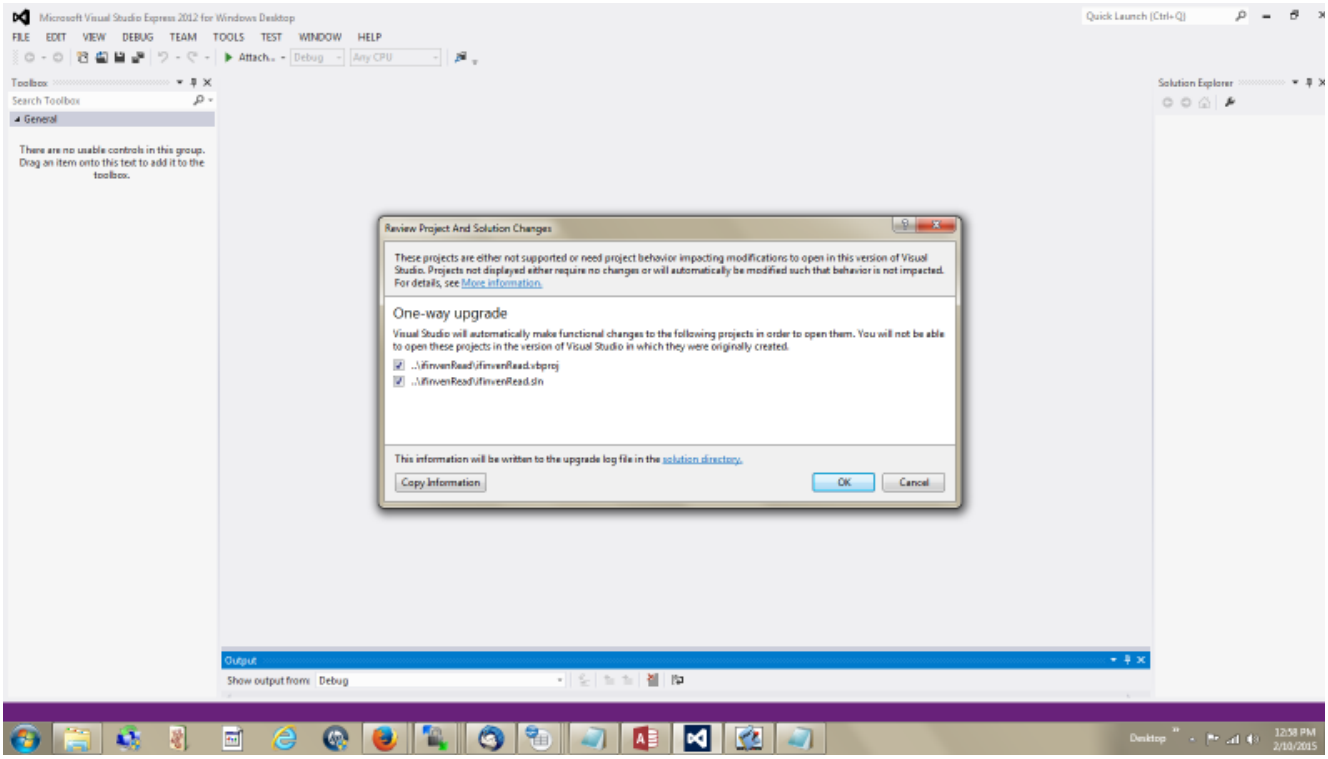

ifinvenwrite (Running) - Microsoft Visual Studio Express 2012 for Windows Desktop
FILE EDIT VIEW PROJECT BUILD DEBUG TEAM TOOLS TEST WINDOW HELP
frmInvenWrite.vb frmInvenWrite.vb [Design]
btnWrite Click
Public Class frmInvenWrite
Inherits System.Windows.Forms.Form
Windows Form Designer generated code
Private Sub btnClear_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnClear.Click
txtItemNo.Clear()
txtItemName.Clear()
txtOnHand.Clear()
txtOnOrder.Clear()
End Sub
Private Sub btnEnd_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnEnd.Click
FileClose(1)
End
End Sub
Private Sub btnWrite_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnWrite.Click
Write()
End Sub
Sub Write()
Dim wkItemNo As Integer, wkItemName As String
Dim wkOnHand As Integer, wkOnOrder As Integer
wkItemNo = CInt(txtItemNo.Text)
wkItemName = txtItemName.Text
wkOnHand = CInt(txtOnHand.Text)
wkOnOrder = CInt(txtOnOrder.Text)
WriteLine(1, wkItemNo, wkItemName, wkOnHand, wkOnOrder)
End Sub
Private Sub frmInvenWrite_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
FileOpen(1, "inven", OpenMode.Output)
End Sub
End Class
Inventory
Item Number: 122
Item Name: sand
On Hand: 1
On Order: 100
Write
Clear
End
Solution Explorer
Solution 'ifinvenwrite' (1 project)
ifinvenwrite
My Project
AssemblyInfo.vb
frmInvenWrite.vb
Ready

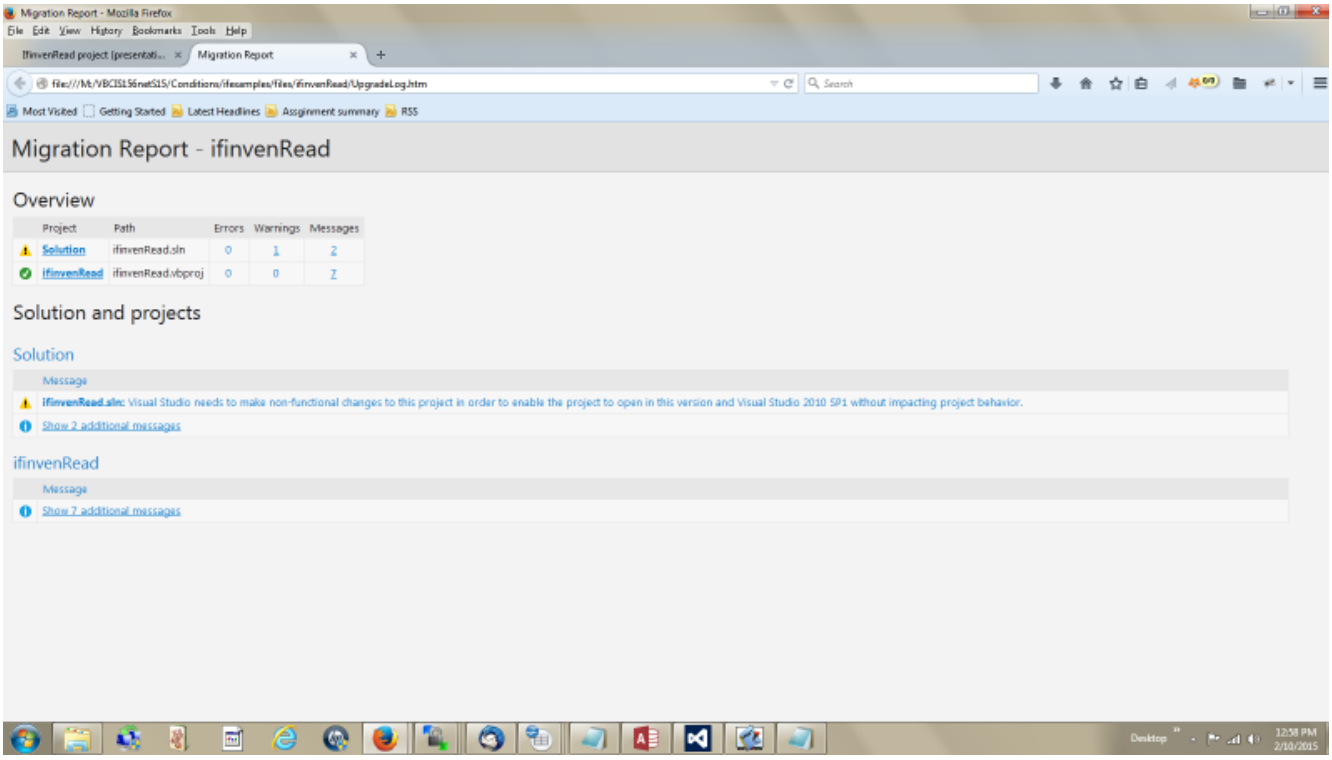

ifinvenwrite (Running) - Microsoft Visual Studio Express 2012 for Windows Desktop
FILE EDIT VIEW PROJECT BUILD DEBUG TEAM TOOLS TEST WINDOW HELP
frmInvenWrite.vb frmInvenWrite.vb [Design]
btnWrite Click
Public Class frmInvenWrite
Inherits System.Windows.Forms.Form
Windows Form Designer generated code
Private Sub btnClear_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnClear.Click
txtItemNo.Clear()
txtItemName.Clear()
txtOnHand.Clear()
txtOnOrder.Clear()
End Sub
Private Sub btnEnd_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnEnd.Click
WriteLine(1, 99999, " ", 0, 0)
FileClose(1)
End
End Sub
Private Sub btnWrite_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnWrite.Click
Write()
End Sub
Sub Write()
Dim wkItemNo As Integer, wkItemName As String
Dim wkOnHand As Integer, wkOnOrder As Integer
wkItemNo = CInt(txtItemNo.Text)
wkItemName = txtItemName.Text
wkOnHand = CInt(txtOnHand.Text)
wkOnOrder = CInt(txtOnOrder.Text)
WriteLine(1, wkItemNo, wkItemName, wkOnHand, wkOnOrder)
End Sub
Private Sub frmInvenWrite_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
FileOpen(1, "inven", OpenMode.Output)
End Sub
End Class
Solution Explorer
Solution 'ifinvenwrite' (1 project)
ifinvenwrite
My Project
AssemblyInfo.vb
frmInvenWrite.vb
Inventory
Item Number:
145
Item Name:
gloves
On Hand:
5
On Order:
25
Write
Clear
End
Ready

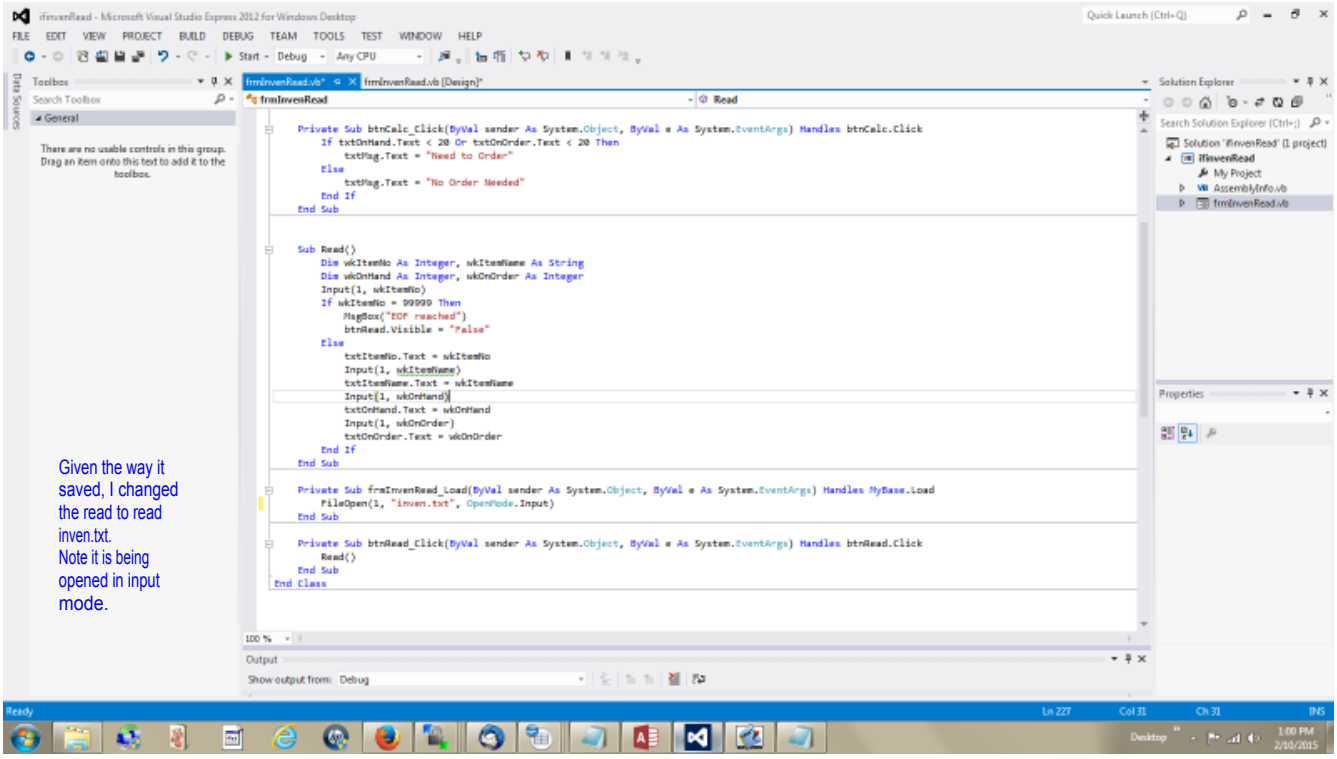

Here is the file that I wrote.
The problem is that given its location, I am going to have to copy the file to be able to read it.


Before closing I write an EOF record with all 9 as the id and space or zero in the other fields.
When I click on write it calls the Write() function that I wrote. In that function I move the text to work areas in memory and then I write out the line with the fields that I want listed in the order I want them.
Again, the 1 stands for the first file.
The file was opened in output mode which meant I could write on it. The 1 is because it was the first file used in this program. The name is inven could have used inven.txt.

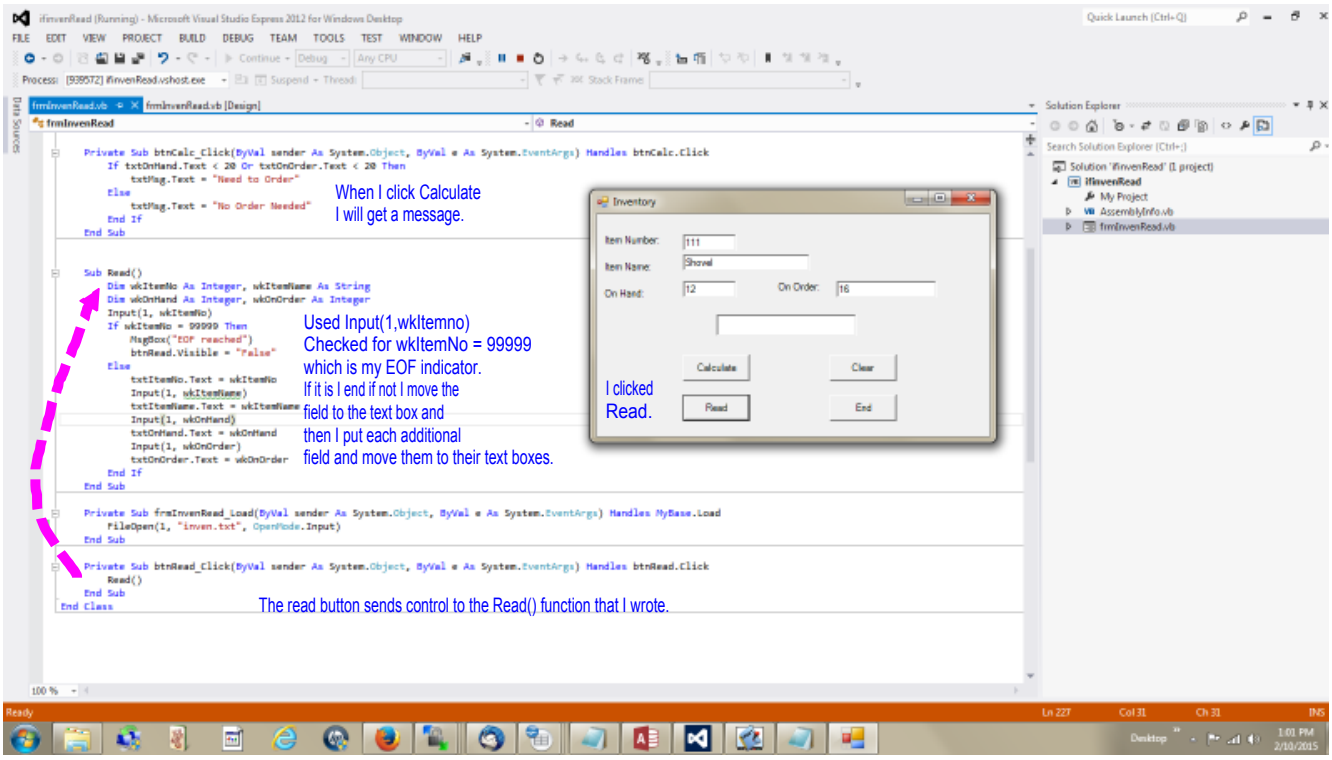

Save As
inven - Notepad
111,"Shovel",12,16
122,"sand",1,100
145,"gloves",5,25
99999," ",0,0
I need to copy the file into the read program. Notice when I did that it added the .txt. Notice that the last time I worked with this copy of the program was 10 years ago and it did not add the .txt. Interesting!

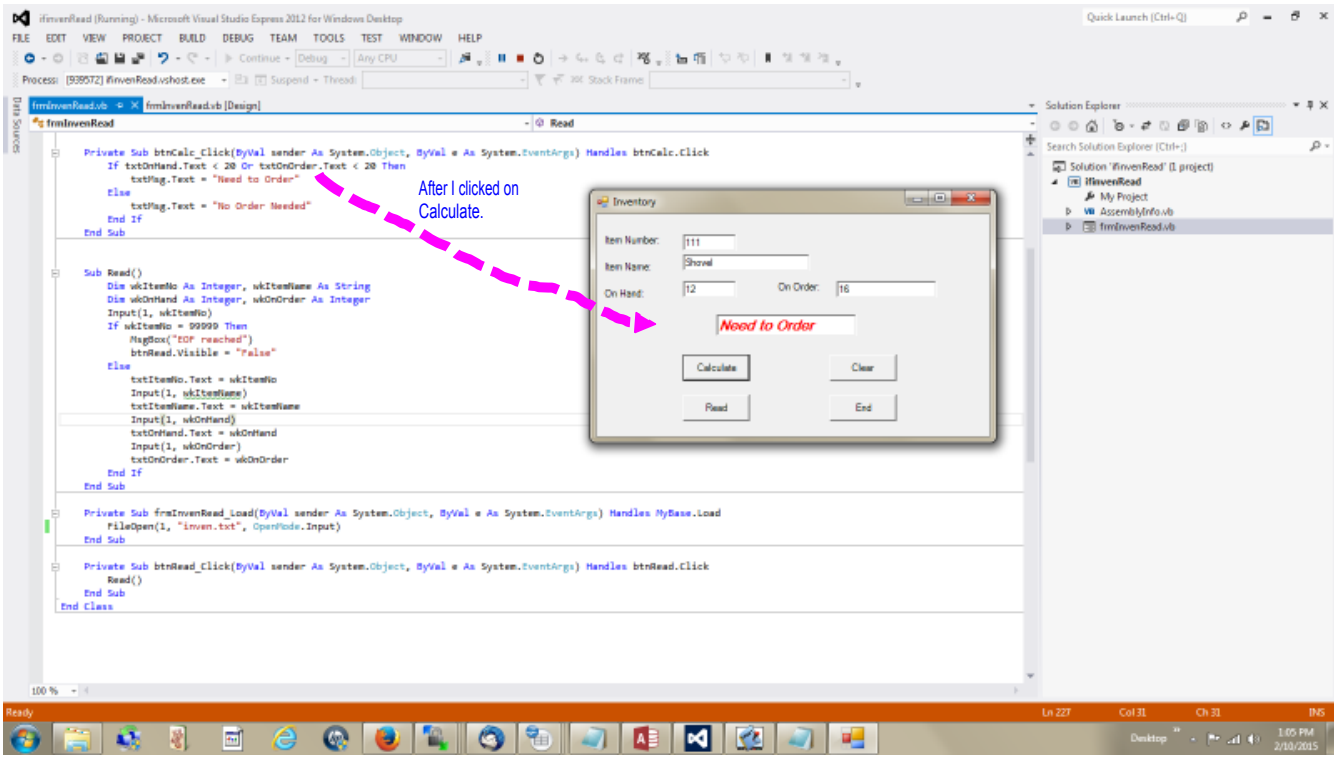

Microsoft Visual Studio Express 2012 for Windows Desktop
FILE EDIT VIEW DEBUG TEAM TOOLS TEST WINDOW HELP
Quick Launch (Ctrl+Q)
Toolbox
Search Toolbox
General
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
Solution Explorer
Review Project And Solution Changes
These projects are either not supported or need project behavior impacting modifications to open in this version of Visual Studio. Projects not displayed either require no changes or will automatically be modified such that behavior is not impacted. For details, see More information.
One-way upgrade
Visual Studio will automatically make functional changes to the following projects in order to open them. You will not be able to open these projects in the version of Visual Studio in which they were originally created.
..\finvenRead\finvenRead.vbproj
..\finvenRead\finvenRead.sln
This information will be written to the upgrade log file in the solution directory.
Copy Information
OK
Cancel
Output
Show output from: Debug
Desktop
12:58 PM
2/10/2015

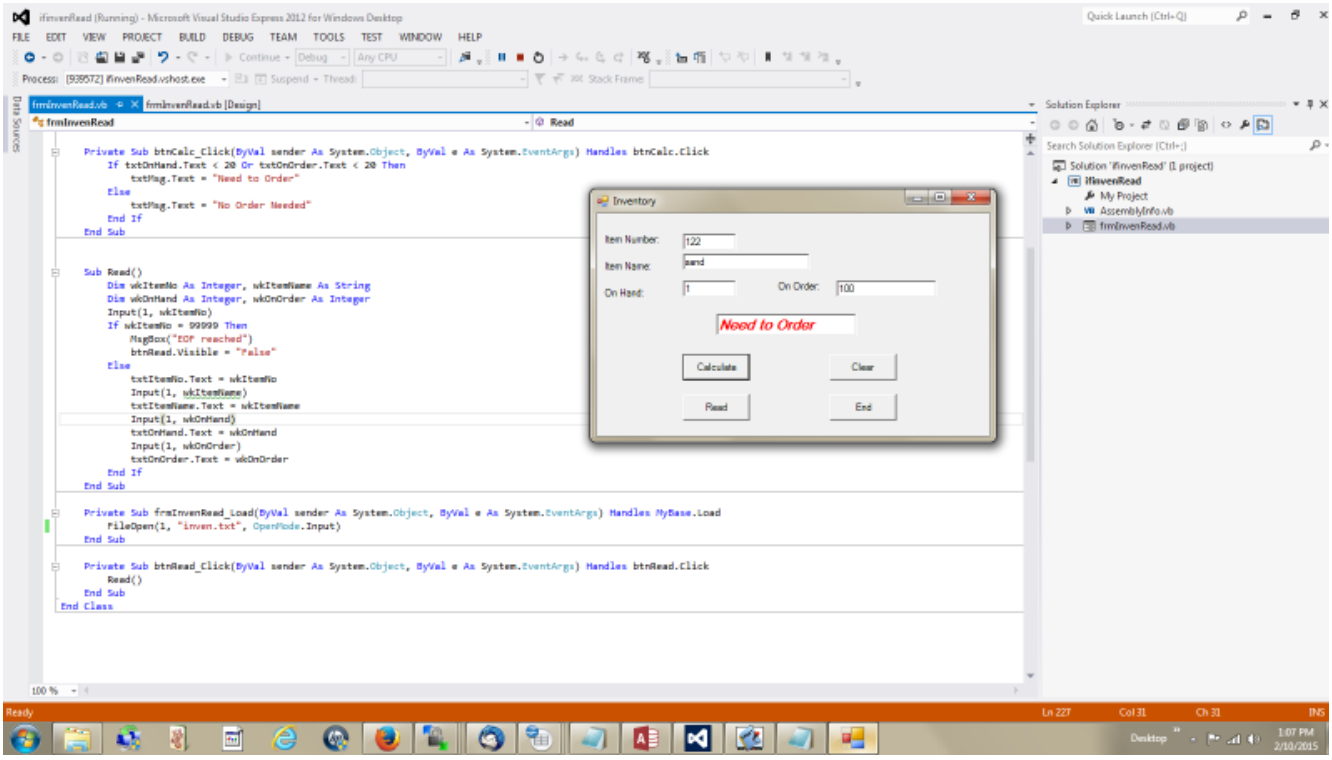

Migration Report - Mozilla Firefox
File Edit View History Bookmarks Tools Help
IfinvenRead project (presentati...
Migration Report
Most Visited
Getting Started
Latest Headlines
Assignment summary
RSS
Migration Report - ifinvenRead
Overview
Project
Path
Errors
Warnings
Messages
Solution
ifinvenRead.sln
0
1
2
IfinvenRead
ifinvenRead.vbproj
0
0
7
Solution and projects
Solution
Message
IfinvenRead.slnc Visual Studio needs to make non-functional changes to this project in order to enable the project to open in this version and Visual Studio 2010 SP1 without impacting project behavior.
Show 2 additional messages
ifinvenRead
Message
Show 7 additional messages

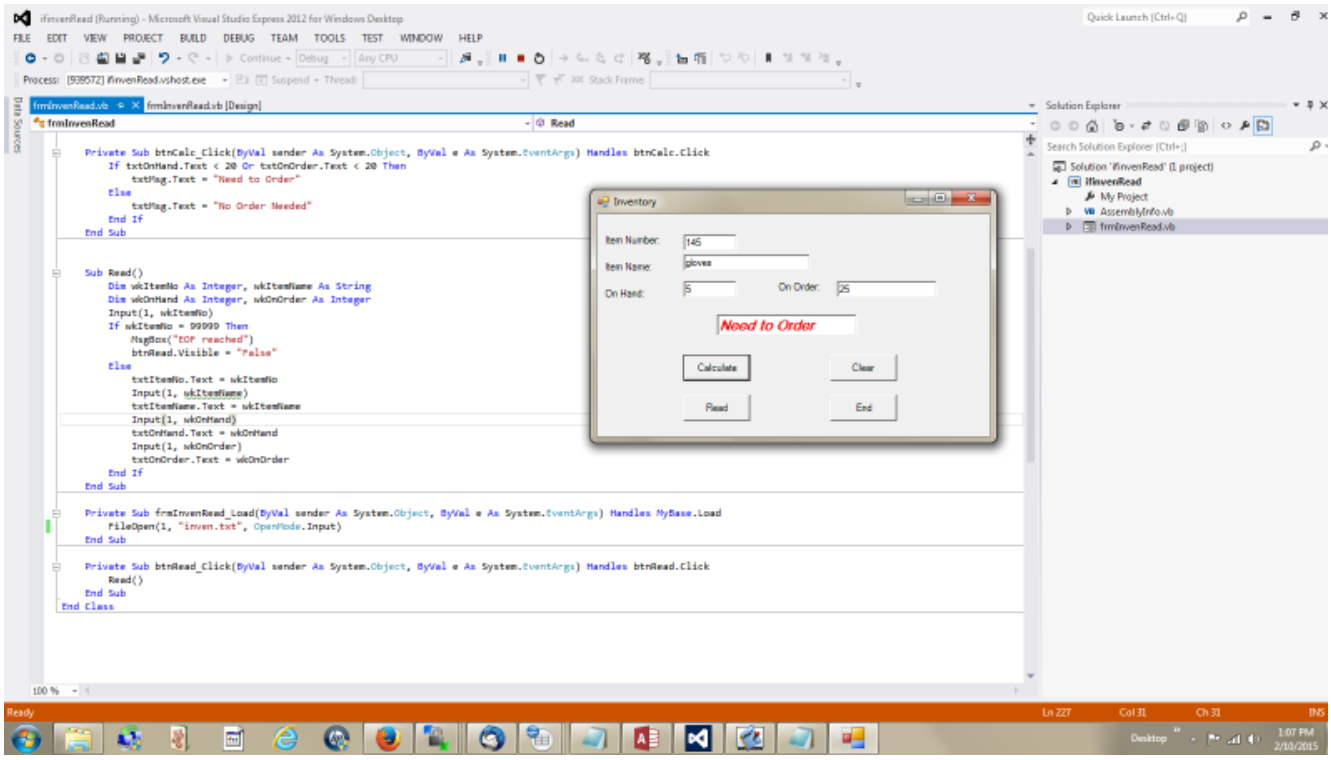


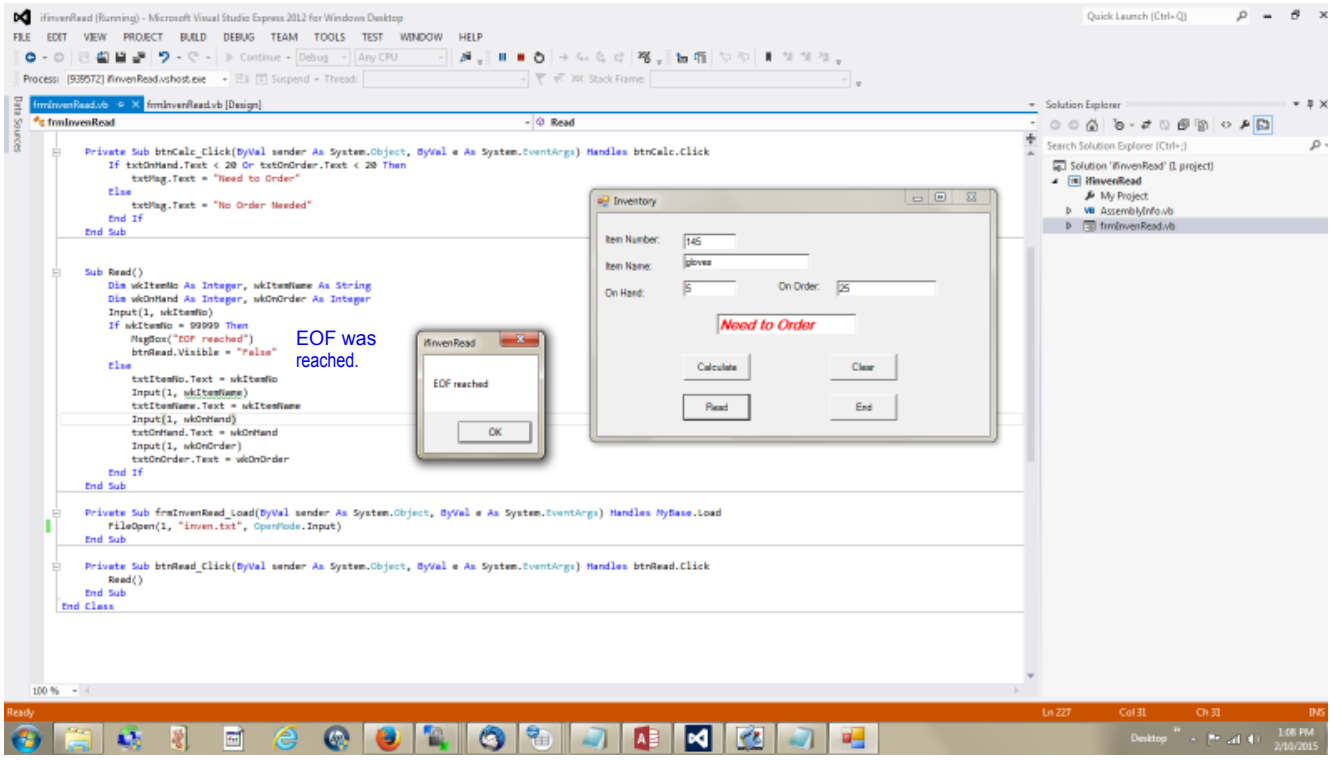
Given the way it saved, I changed the read to read inven.txt.
Note it is being opened in input mode.

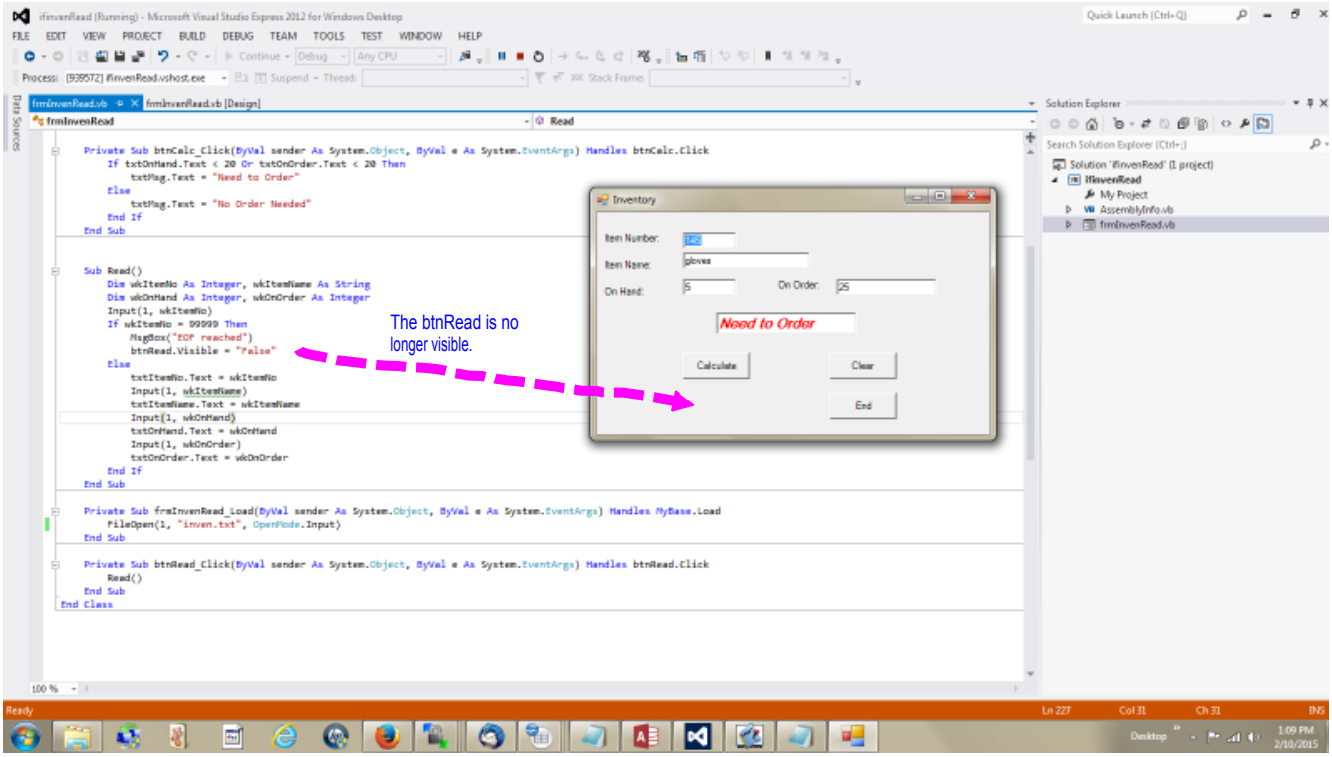

When I click Calculate
I will get a message.
Used Input(1,wkItemno)
Checked for wkItemNo = 99999
which is my EOF indicator.
If it is I end if not I move the
field to the text box and
then I put each additional
field and move them to their text boxes.
I clicked
Read.
The read button sends control to the Read() function that I wrote.
Inventory
Item Number:
Item Name:
On Hand:
On Order:
Calculate
Clear
Read
End

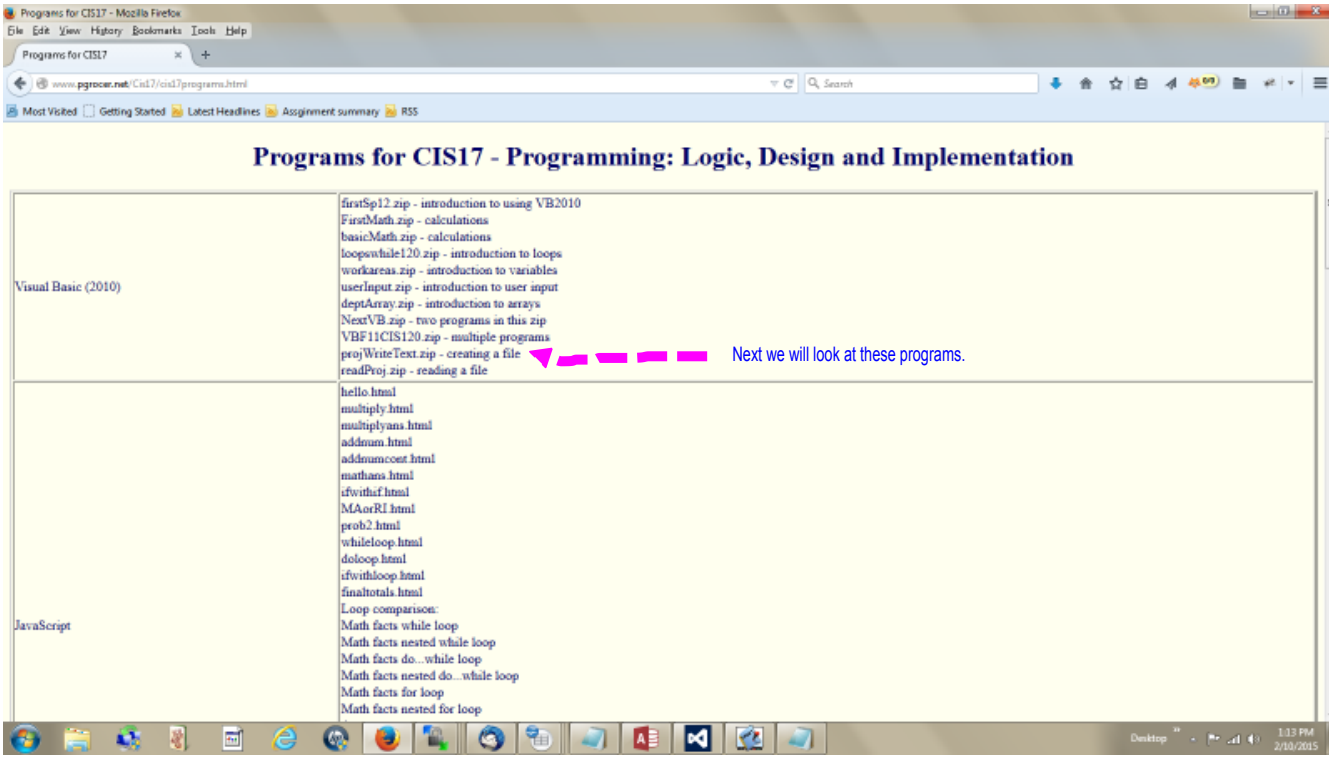

After I clicked on Calculate.
Inventory
Item Number:
111
Item Name:
Shovel
On Hand:
12
On Order:
16
Need to Order
Calculate
Clear
Read
End

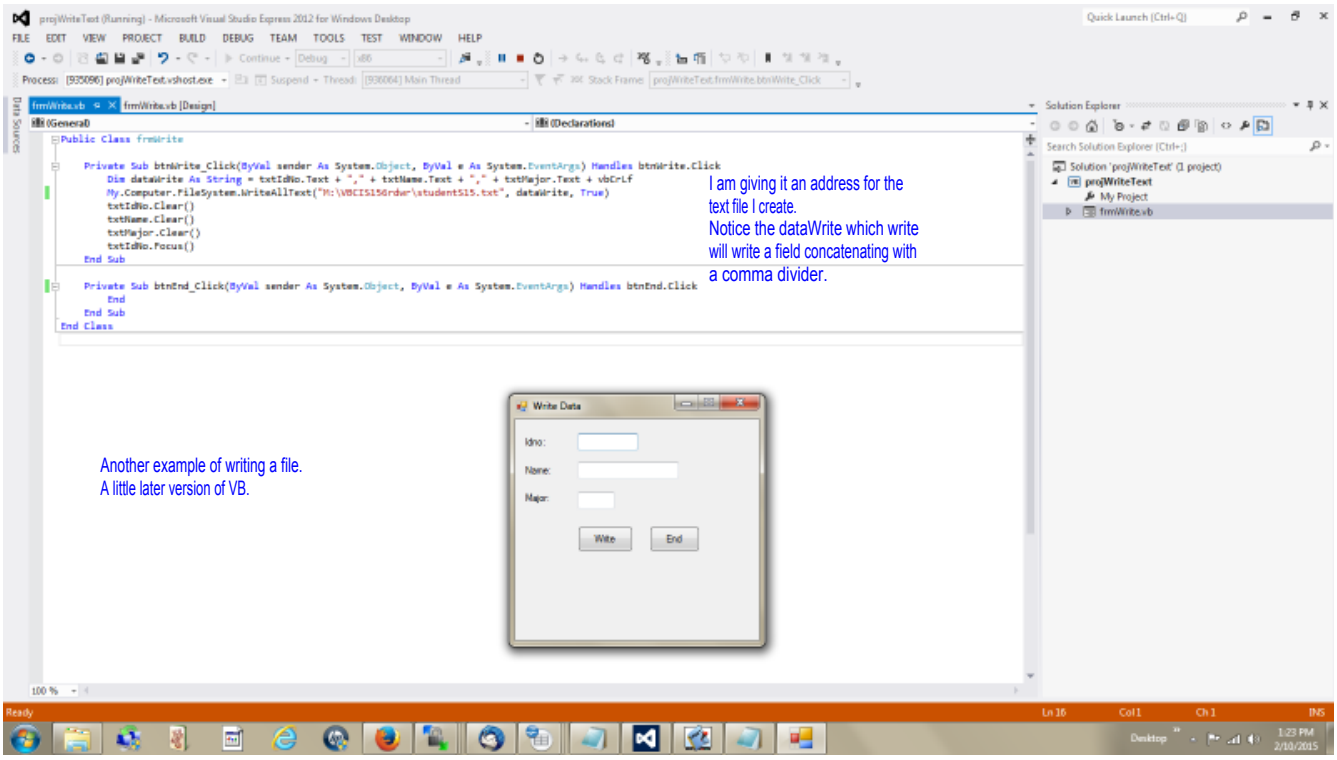

Inventory
Item Number:
122
Item Name:
sand
On Hand:
1
On Order:
100
Need to Order
Calculate
Clear
Read
End

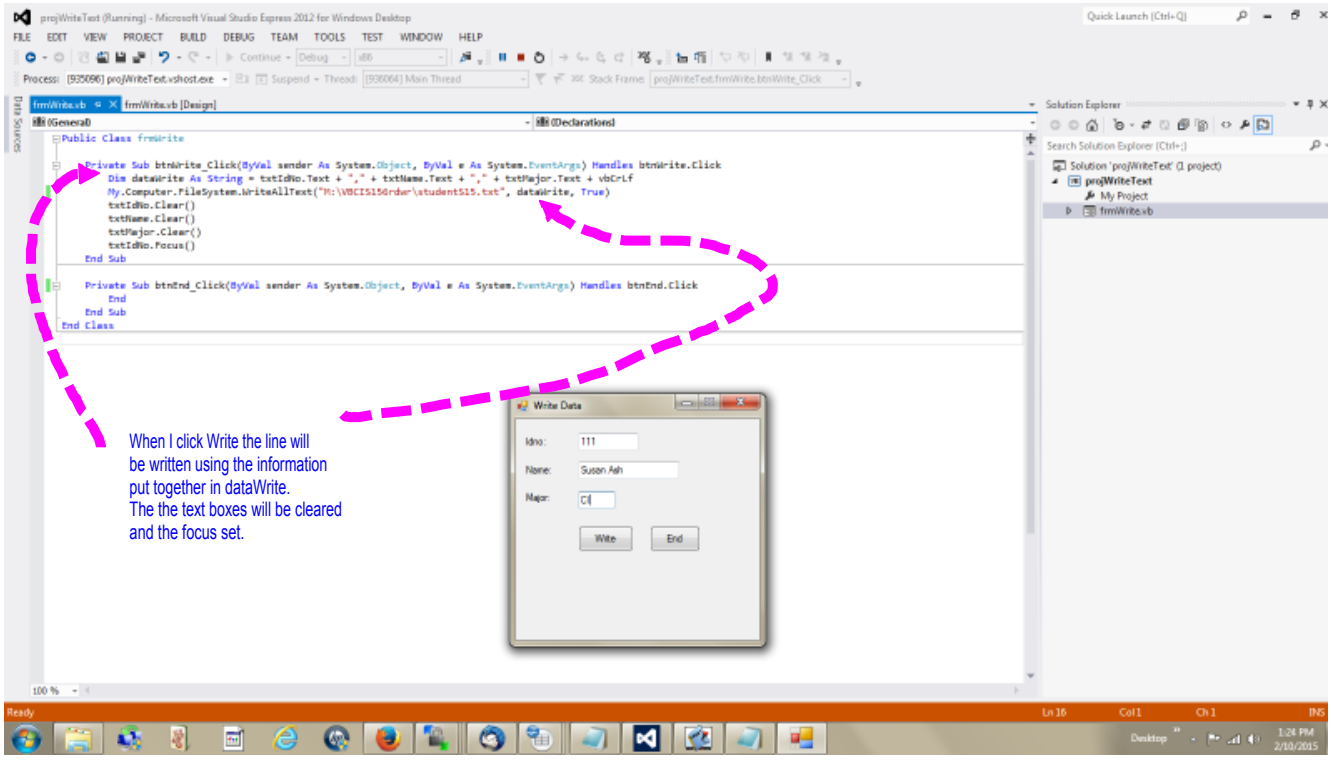

Inventory
Item Number:
145
Item Name:
gloves
On Hand:
5
On Order:
25
Need to Order
Calculate
Clear
Read
End

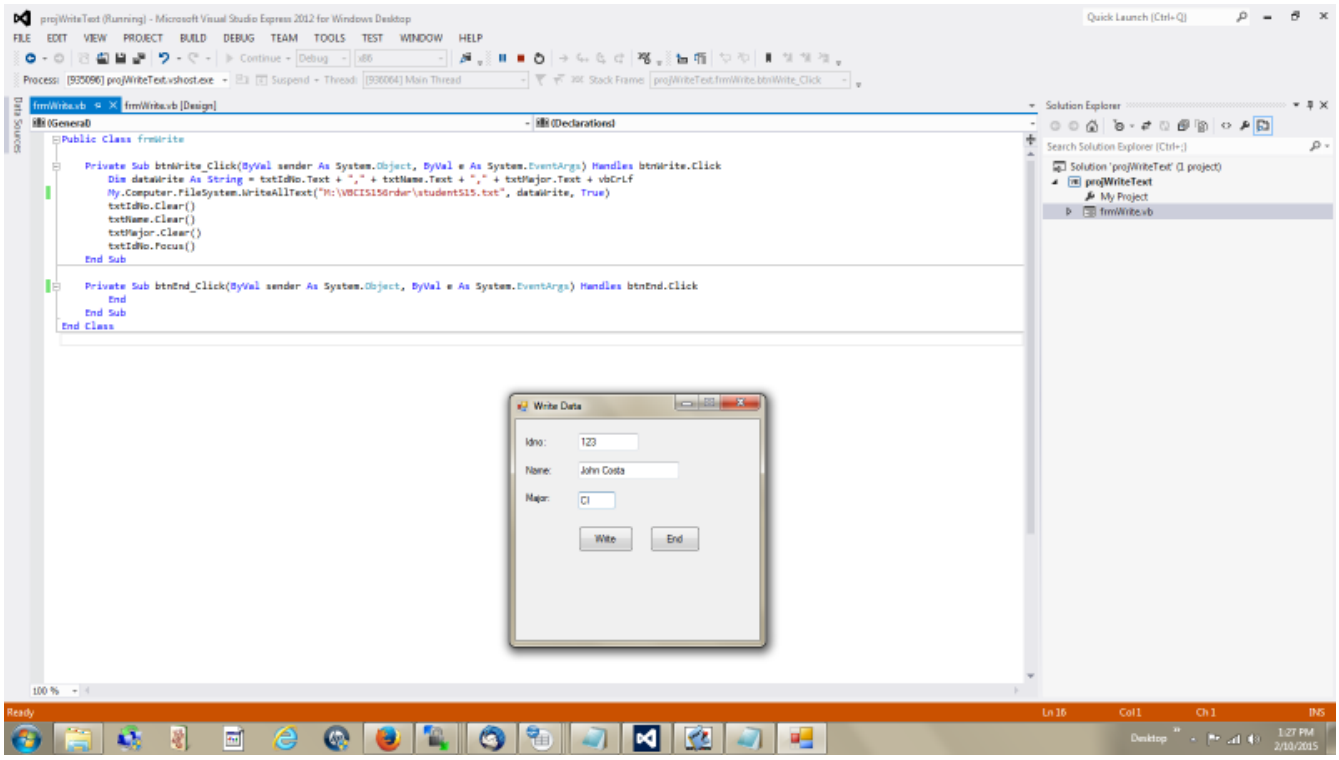

Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.Click
If txtOnHand.Text < 20 Or txtOnOrder.Text < 20 Then
txtMsg.Text = "Need to Order"
Else
txtMsg.Text = "No Order Needed"
End If
End Sub
Sub Read()
Dim wkItemNo As Integer, wkItemName As String
Dim wkOnHand As Integer, wkOnOrder As Integer
Input(1, wkItemNo)
If wkItemNo = 99999 Then
MsgBox("EOF reached")
btnRead.Visible = "False"
Else
txtItemNo.Text = wkItemNo
Input(1, wkItemName)
txtItemName.Text = wkItemName
Input(1, wkOnHand)
txtOnHand.Text = wkOnHand
Input(1, wkOnOrder)
txtOnOrder.Text = wkOnOrder
End If
End Sub
Private Sub frmInvenRead_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
FileOpen(1, "inven.txt", OpenMode.Input)
End Sub
Private Sub btnRead_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnRead.Click
Read()
End Sub
End Class
EOF was reached.
ifrmvenRead
EOF reached
OK
Inventory
Item Number:
145
Item Name:
gloves
On Hand:
5
On Order:
25
Need to Order
Calculate
Clear
Read
End

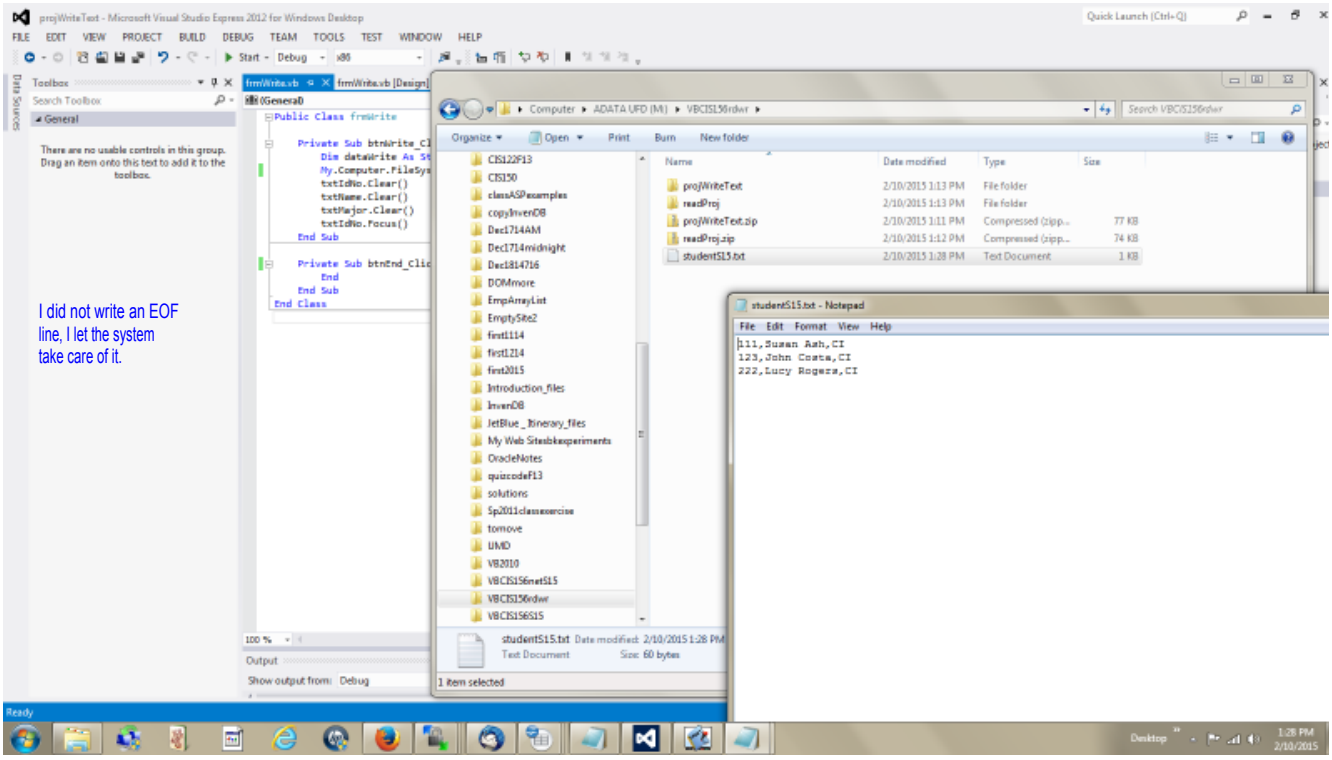

The btnRead is no longer visible.
Inventory
Item Number:
Item Name:
gloves
On Hand:
On Order:
Need to Order
Calculate
Clear
End

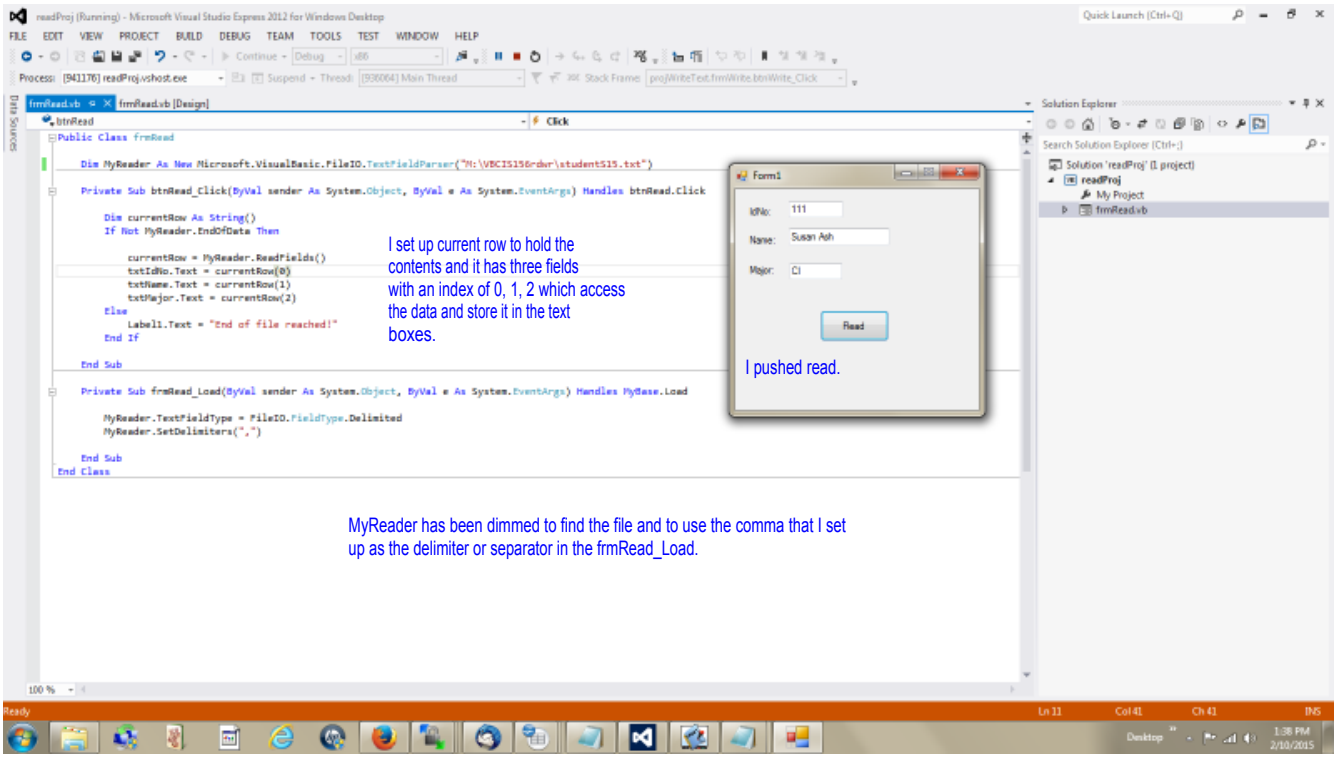

Programs for CIS17 - Mozilla Firefox
Programs for CIS17
Most Visited
Getting Started
Latest Headlines
Assignment summary
RSS
Programs for CIS17 - Programming: Logic, Design and Implementation
Visual Basic (2010)
firstSp12.zip - introduction to using VB2010
FirstMath.zip - calculations
basicMath.zip - calculations
loopswhile120.zip - introduction to loops
workareas.zip - introduction to variables
userInput.zip - introduction to user input
deptArray.zip - introduction to arrays
NextVB.zip - two programs in this zip
VBF11CIS120.zip - multiple programs
projWriteText.zip - creating a file
readProj.zip - reading a file
Next we will look at these programs.
JavaScript
hello.html
multiply.html
multiplyans.html
addnum.html
addnumcont.html
mathans.html
dfwithif.html
MAorRI.html
prob2.html
whileloop.html
doloop.html
dfwithloop.html
finaltotals.html
Loop comparison:
Math facts while loop
Math facts nested while loop
Math facts do...while loop
Math facts nested do...while loop
Math facts for loop
Math facts nested for loop

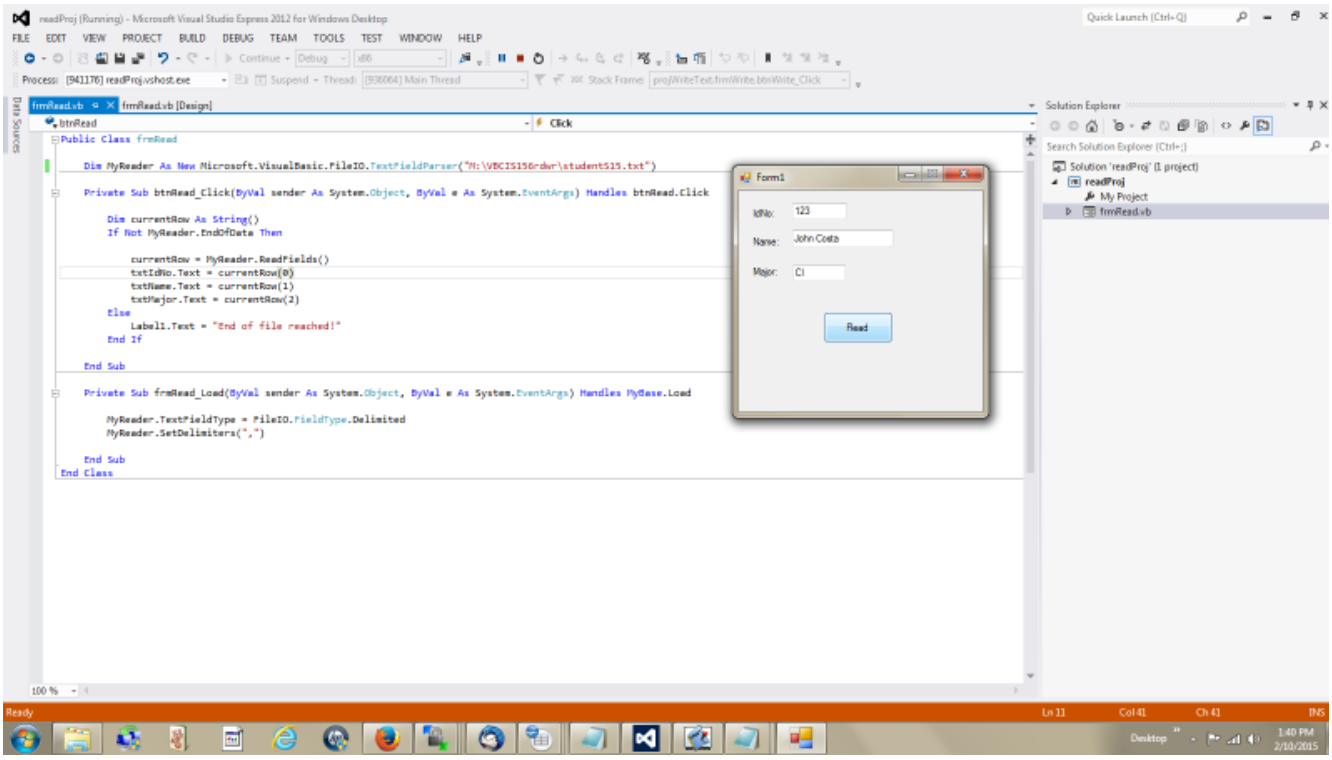

projWriteText (Running) - Microsoft Visual Studio Express 2012 for Windows Desktop
FILE EDIT VIEW PROJECT BUILD DEBUG TEAM TOOLS TEST WINDOW HELP
frmWrite.vb [Design]
(General) (Declarations)
Public Class frmWrite
Private Sub btnWrite_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnWrite.Click
Dim dataWrite As String = txtIdNo.Text + "," + txtName.Text + "," + txtMajor.Text + vbCrLf
My.Computer.FileSystem.WriteAllText("M:\VBCIS15Srdwr\student515.txt", dataWrite, True)
txtIdNo.Clear()
txtName.Clear()
txtMajor.Clear()
txtIdNo.Focus()
End Sub
Private Sub btnEnd_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnEnd.Click
End
End Sub
End Class
I am giving it an address for the text file I create.
Notice the dataWrite which write will write a field concatenating with a comma divider.
Another example of writing a file.
A little later version of VB.
Write Data
Idno:
Name:
Major:
Write
End
Solution Explorer
Solution 'projWriteText' (1 project)
projWriteText
My Project
frmWrite.vb
Ready

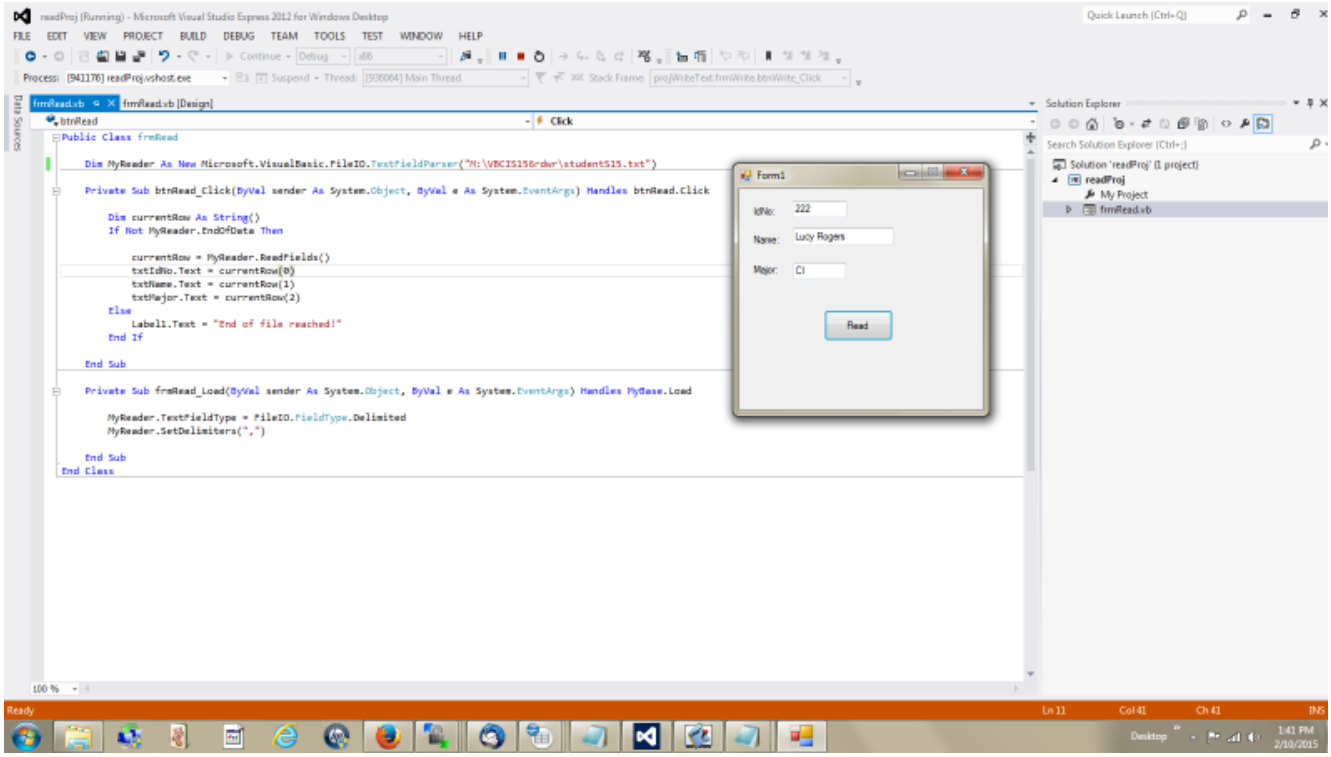

When I click Write the line will
be written using the information
put together in dataWrite.
The the text boxes will be cleared
and the focus set.
Write Data
Idno:
111
Name:
Susan Ash
Major:
CI
Write
End

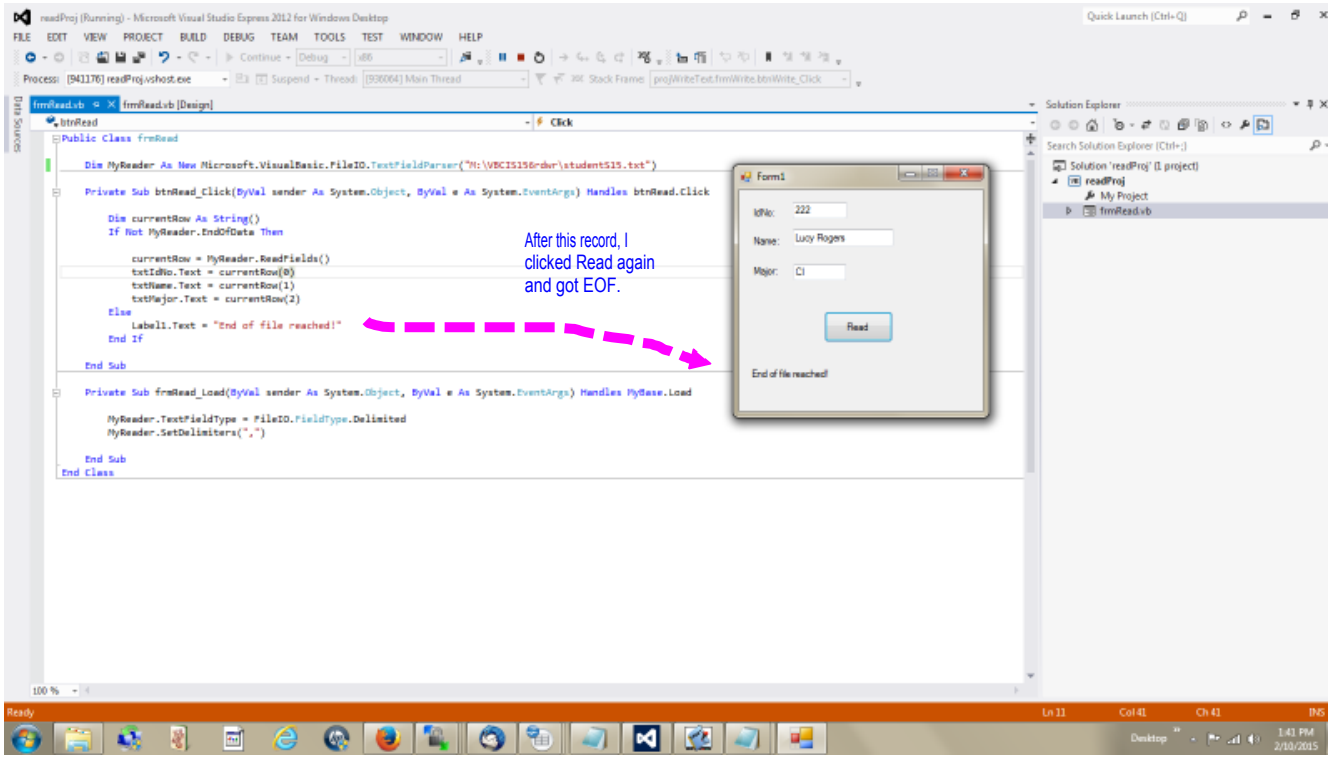

projWriteText (Running) - Microsoft Visual Studio Express 2012 for Windows Desktop
FILE EDIT VIEW PROJECT BUILD DEBUG TEAM TOOLS TEST WINDOW HELP
frmWrite.vb [Design]
(General)
(Declarations)
Public Class frmWrite
Private Sub btnWrite_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnWrite.Click
Dim dataWrite As String = txtIdNo.Text + "," + txtName.Text + "," + txtMajor.Text + vbCrLf
My.Computer.FileSystem.WriteAllText("M:\VBCIS15Srdwr\student15.txt", dataWrite, True)
txtIdNo.Clear()
txtName.Clear()
txtMajor.Clear()
txtIdNo.Focus()
End Sub
Private Sub btnEnd_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnEnd.Click
End
End Sub
End Class
Write Data
Idno:
123
Name:
John Costa
Major:
CI
Write
End
Solution Explorer
Solution 'projWriteText' (1 project)
projWriteText
My Project
frmWrite.vb
Ready


I did not write an EOF line, I let the system take care of it.


I set up current row to hold the contents and it has three fields with an index of 0, 1, 2 which access the data and store it in the text boxes.
I pushed read.
MyReader has been dimmed to find the file and to use the comma that I set up as the delimiter or separator in the frmRead_Load.


Public Class frmRead
Dim MyReader As New Microsoft.VisualBasic.FileIO.TextFieldParser("N:\VBCIS15Srdwr\student515.txt")
Private Sub btnRead_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnRead.Click
Dim currentRow As String()
If Not MyReader.EndOfData Then
currentRow = MyReader.ReadFields()
txtIdNo.Text = currentRow(0)
txtName.Text = currentRow(1)
txtMajor.Text = currentRow(2)
Else
Label1.Text = "End of file reached!"
End If
End Sub
Private Sub frmRead_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
MyReader.TextFieldType = FileIO.FieldType.Delimited
MyReader.SetDelimiters(",")
End Sub
End Class
Form1
IdNo:
123
Name:
John Costa
Major:
CI
Read


readProj (Running) - Microsoft Visual Studio Express 2012 for Windows Desktop
FILE EDIT VIEW PROJECT BUILD DEBUG TEAM TOOLS TEST WINDOW HELP
frmRead.vb frmRead.vb [Design]
btnRead
Click
Public Class frmRead
Dim MyReader As New Microsoft.VisualBasic.FileIO.TextFieldParser("N:\VBCIS156rdwr\student515.txt")
Private Sub btnRead_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnRead.Click
Dim currentRow As String()
If Not MyReader.EndOfData Then
currentRow = MyReader.ReadFields()
txtIdNo.Text = currentRow(0)
txtName.Text = currentRow(1)
txtMajor.Text = currentRow(2)
Else
Label1.Text = "End of file reached!"
End If
End Sub
Private Sub frmRead_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
MyReader.TextFieldType = FileIO.FieldType.Delimited
MyReader.SetDelimiters(",")
End Sub
End Class
Form1
IdNo: 222
Name: Lucy Rogers
Major: CI
Read
Solution Explorer
Solution 'readProj' (1 project)
readProj
My Project
frmRead.vb
Ready


readProj (Running) - Microsoft Visual Studio Express 2012 for Windows Desktop
FILE EDIT VIEW PROJECT BUILD DEBUG TEAM TOOLS TEST WINDOW HELP
frmRead.vb frmRead.vb [Design]
btnRead
Click
Public Class frmRead
Dim MyReader As New Microsoft.VisualBasic.FileIO.TextFieldParser("N:\VBCIS156\dwr\student515.txt")
Private Sub btnRead_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnRead.Click
Dim currentRow As String()
If Not MyReader.EndOfData Then
currentRow = MyReader.ReadFields()
txtIdNo.Text = currentRow(0)
txtName.Text = currentRow(1)
txtMajor.Text = currentRow(2)
Else
Label1.Text = "End of file reached!"
End If
End Sub
Private Sub frmRead_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
MyReader.TextFieldType = FileIO.FieldType.Delimited
MyReader.SetDelimiters(",")
End Sub
End Class
After this record, I clicked Read again and got EOF.
Form1
IdNo: 222
Name: Lucy Rogers
Major: CI
Read
End of file reached!
Solution Explorer
Solution 'readProj' (1 project)
readProj
My Project
frmRead.vb
Ready