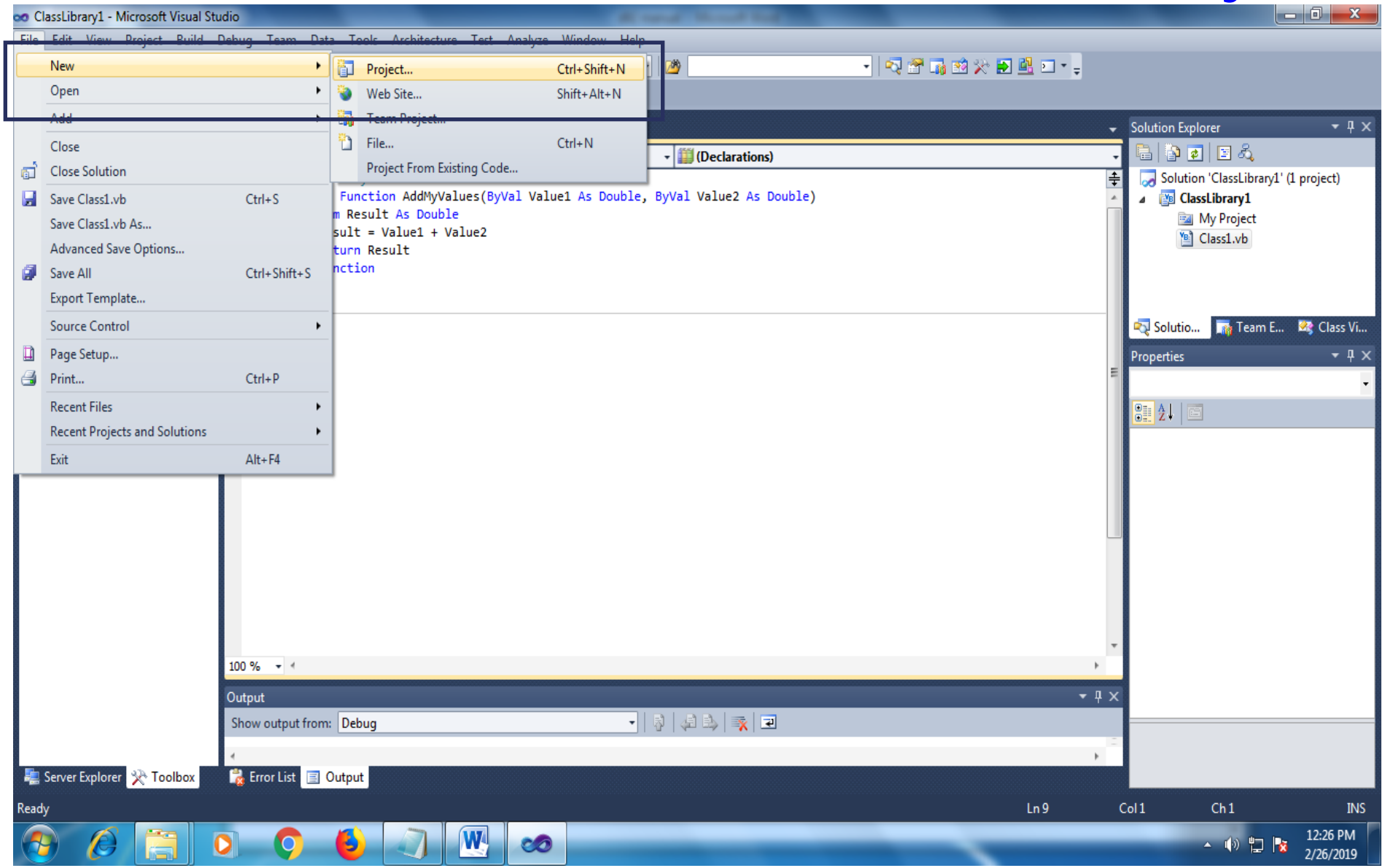
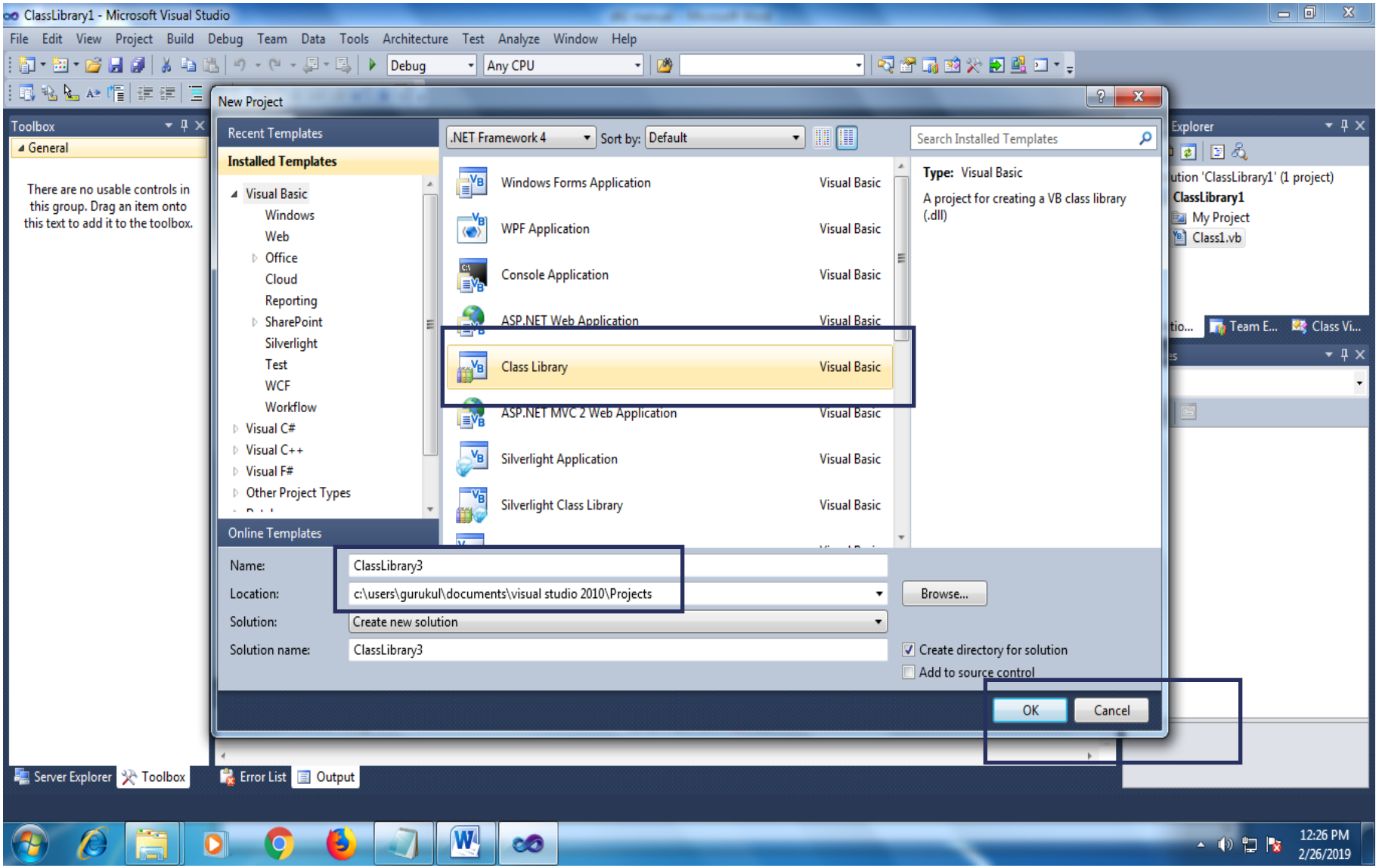
Start → Microsoft Visual Studio 2010 → New → Project →



Start → Microsoft Visual Studio 2010 → New → Project → **Class Library**

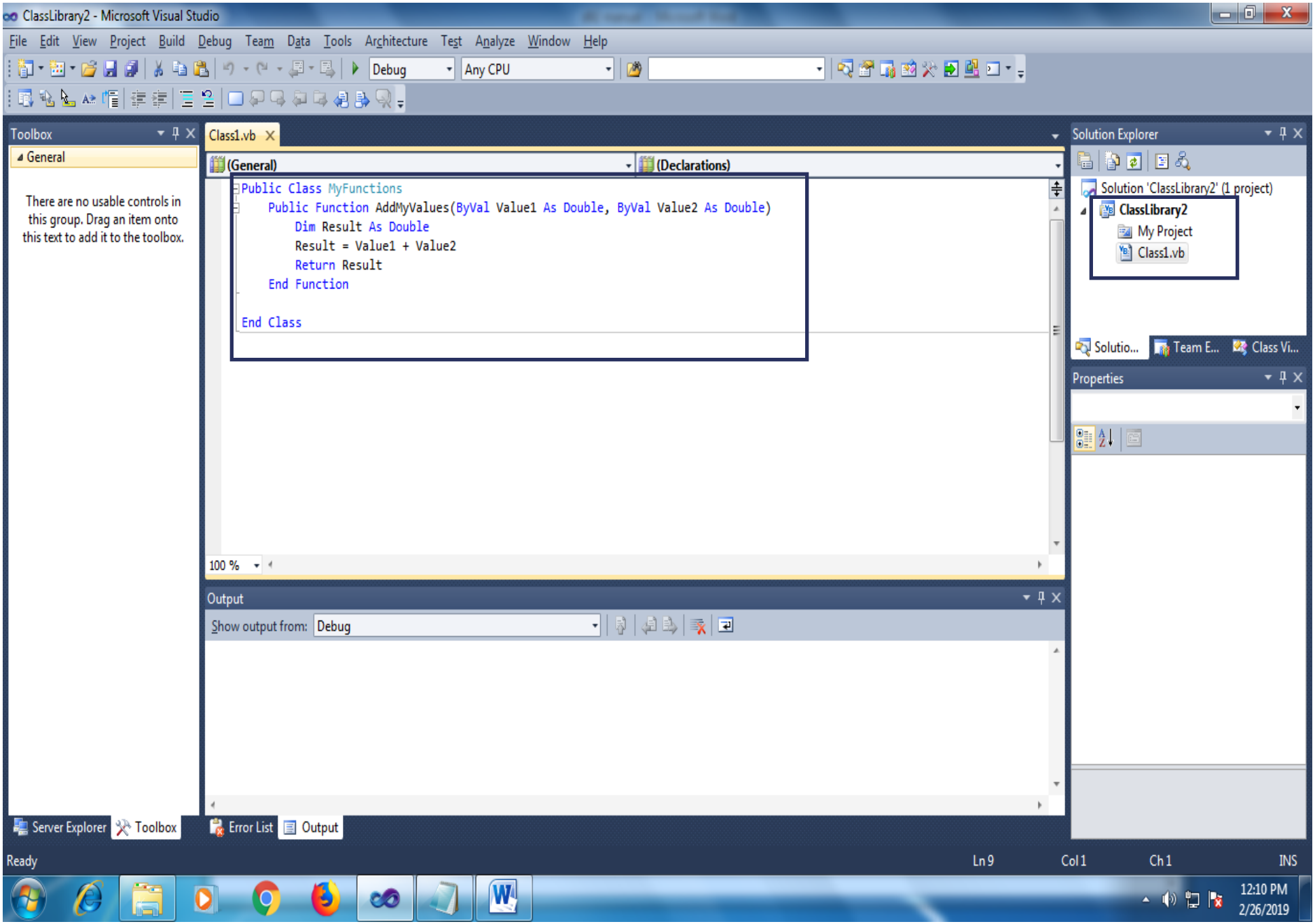


Start → Microsoft Visual Studio 2010 → New → Project → Class Library →**Give name as "ClassLibrary1"** → **OK**

Write following code

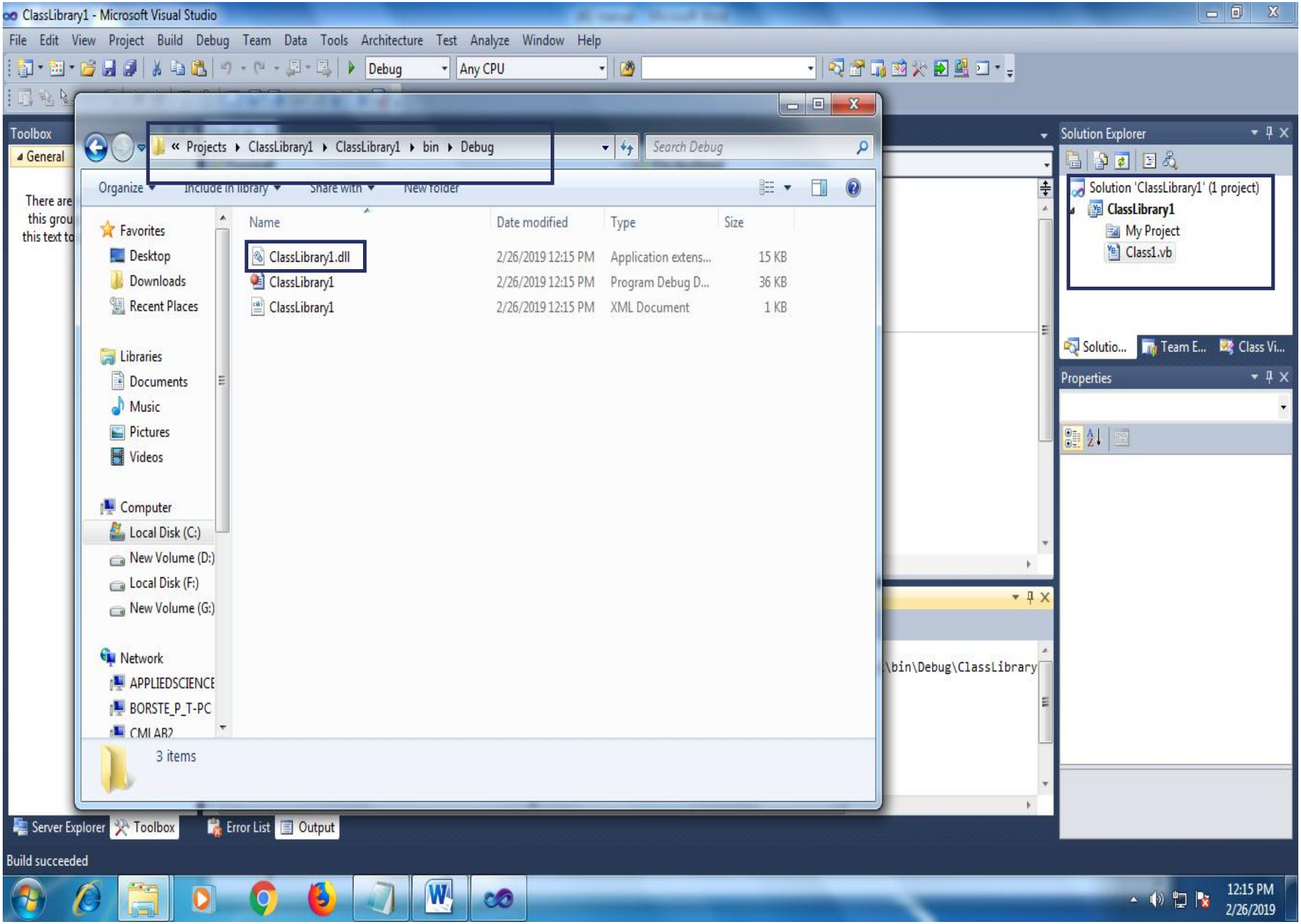
```
Public Class MyFunctions
        Public Function AddMyValues(ByVal Value1 As
        Double, ByVal Value2 As Double)
       Dim Result As Double
       Result = Value1 + Value2
       Return Result
    End Function

End Class
```


ClassLibrary2 - Microsoft Visual Studio
File Edit View Project Build Debug Team Data Tools Architecture Test Analyze Window Help
Debug
Any CPU
Toolbox
General
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
Class1.vb
(General)
(Declarations)
Public Class MyFunctions
Public Function AddMyValues(ByVal Value1 As Double, ByVal Value2 As Double)
Dim Result As Double
Result = Value1 + Value2
Return Result
End Function
End Class
100 %
Output
Show output from: Debug
Solution Explorer
Solution 'ClassLibrary2' (1 project)
ClassLibrary2
My Project
Class1.vb
Solutio...
Team E...
Class Vi...
Properties
Server Explorer
Toolbox
Error List
Output
Ready
Ln 9
Col 1
Ch 1
INS
12:10 PM
2/26/2019

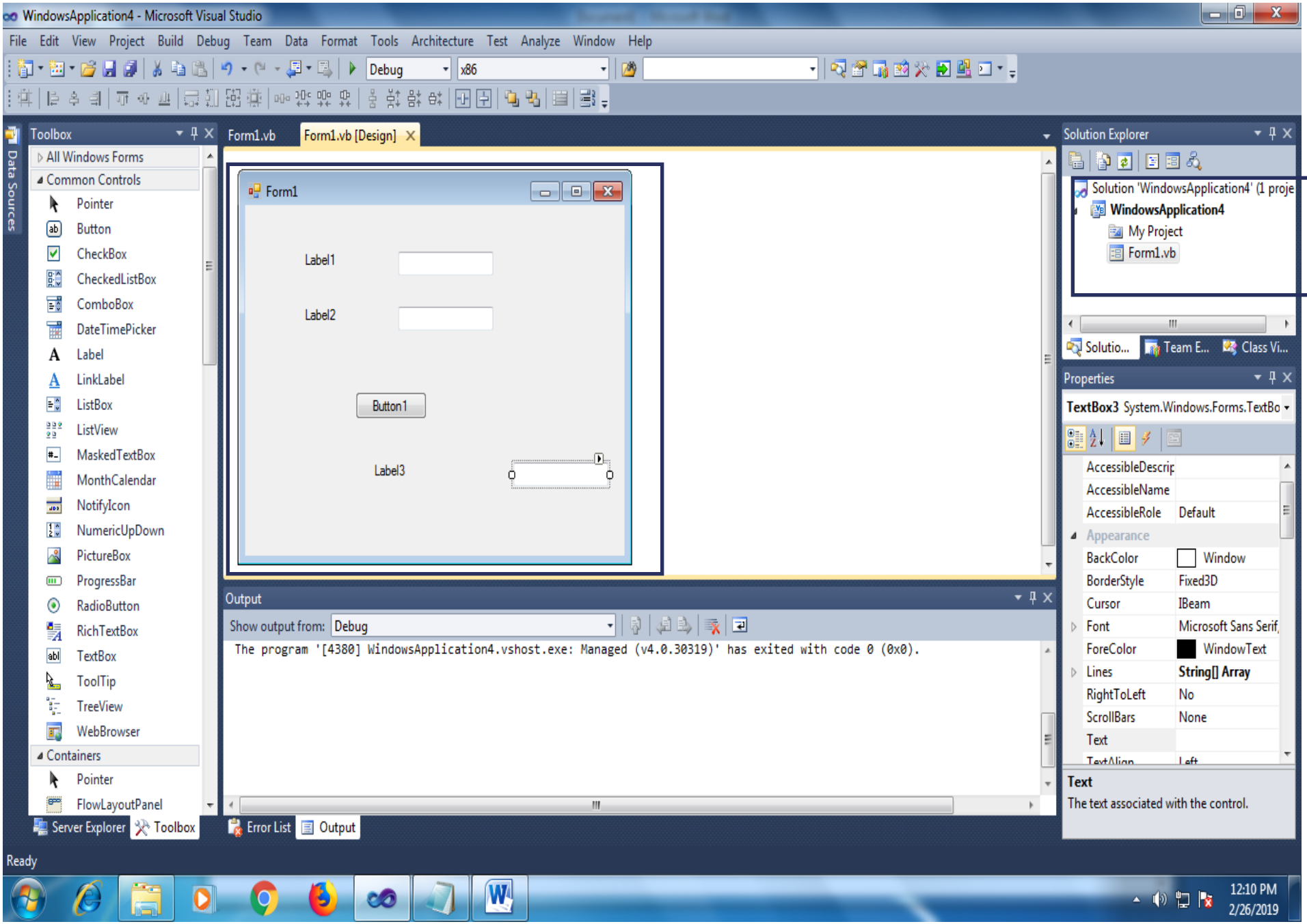
Save and Build the solution → DLL is created (ClassLibrary1.dll) → at the path (“C:\Users\Gurukul\Documents\Visual Studio 2010\Projects\ClassLibrary1\ClassLibrary1\bin\Debug\ClassLibrary1.dll”)

As shown in following image

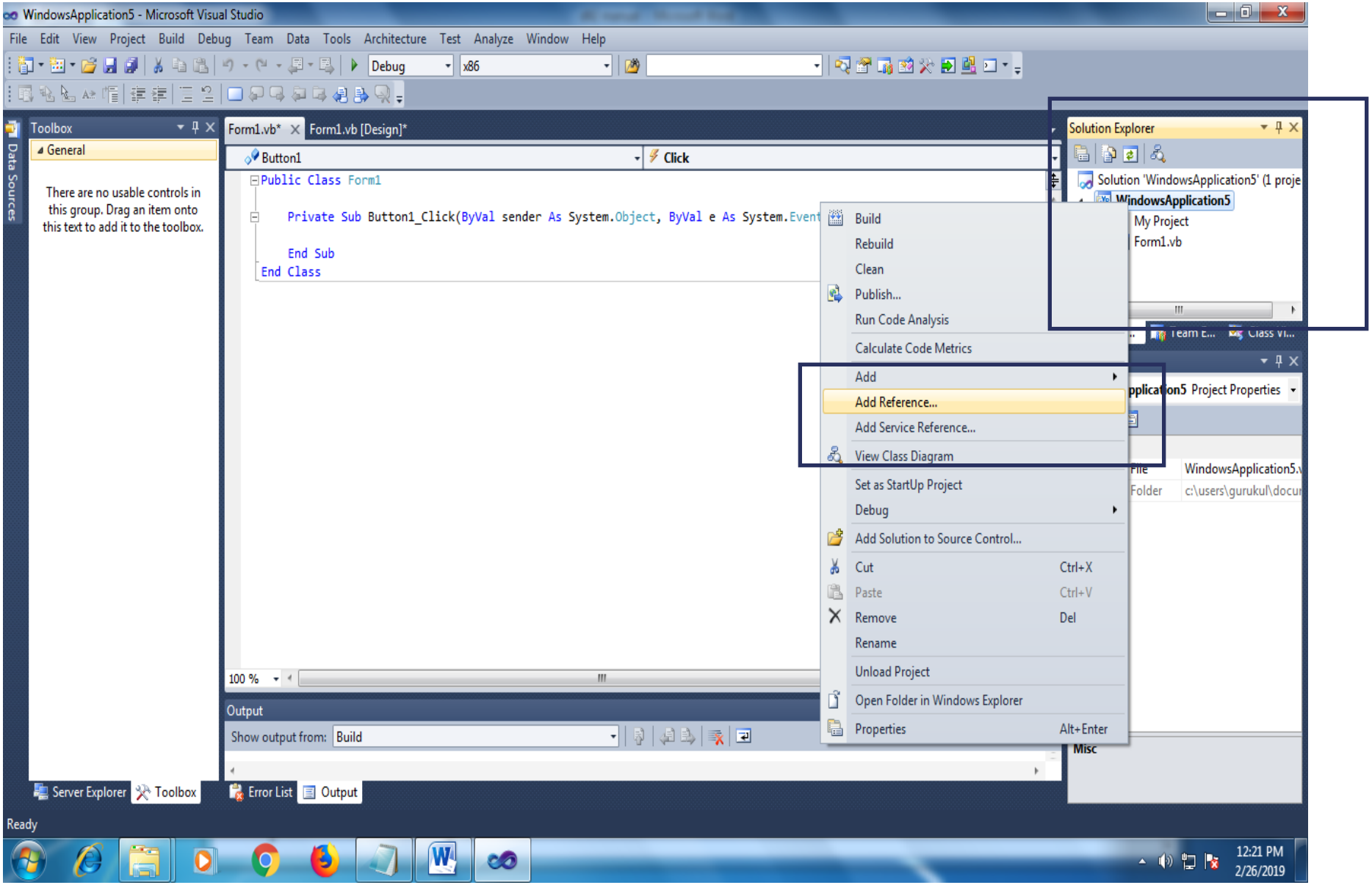

ClassLibrary1 - Microsoft Visual Studio
File Edit View Project Build Debug Team Data Tools Architecture Test Analyze Window Help
Debug
Any CPU
Toolbox
General
There are this grou this text to
« Projects ▸ ClassLibrary1 ▸ ClassLibrary1 ▸ bin ▸ Debug
Search Debug
Organize
Include in library
Share with
New folder
Favorites
Desktop
Downloads
Recent Places
Libraries
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
New Volume (D:)
Local Disk (F:)
New Volume (G:)
Network
APPLIEDSCIENCE
BORSTE_P_T-PC
Name
Date modified
Type
Size
ClassLibrary1.dll
2/26/2019 12:15 PM
Application extens...
15 KB
ClassLibrary1
2/26/2019 12:15 PM
Program Debug D...
36 KB
ClassLibrary1
2/26/2019 12:15 PM
XML Document
1 KB
3 items
Solution Explorer
Solution 'ClassLibrary1' (1 project)
ClassLibrary1
My Project
Class1.vb
Solutio...
Team E...
Class Vi...
Properties
\bin\Debug\ClassLibrary
Server Explorer
Toolbox
Error List
Output
Build succeeded
12:15 PM
2/26/2019

Create New Application →

Start → Microsoft Visual Studio 2010 → New → Project → Give Project name as “WindowsApplication5” → Design the following form


WindowsApplication4 - Microsoft Visual Studio
File Edit View Project Build Debug Team Data Format Tools Architecture Test Analyze Window Help
Debug
x86
Toolbox
All Windows Forms
Common Controls
Pointer
Button
CheckBox
CheckedListBox
ComboBox
DateTimePicker
Label
LinkLabel
ListBox
ListView
MaskedTextBox
MonthCalendar
NotifyIcon
NumericUpDown
PictureBox
ProgressBar
RadioButton
RichTextBox
TextBox
ToolTip
TreeView
WebBrowser
Containers
Pointer
FlowLayoutPanel
Form1.vb
Form1.vb [Design]
Form1
Label1
Label2
Button1
Label3
Output
Show output from: Debug
The program '[4380] WindowsApplication4.vshost.exe: Managed (v4.0.30319)' has exited with code 0 (0x0).
Solution Explorer
Solution 'WindowsApplication4' (1 proje
WindowsApplication4
My Project
Form1.vb
Properties
TextBox3 System.Windows.Forms.TextBo
AccessibleDescrip
AccessibleName
AccessibleRole Default
Appearance
BackColor Window
BorderStyle Fixed3D
Cursor IBeam
Font Microsoft Sans Serif
ForeColor WindowText
Lines String[] Array
RightToLeft No
ScrollBars None
Text
Text
The text associated with the control.
Server Explorer
Toolbox
Error List
Output
Ready
12:10 PM
2/26/2019

Solution Explorer → right click on Project Name → Add References →

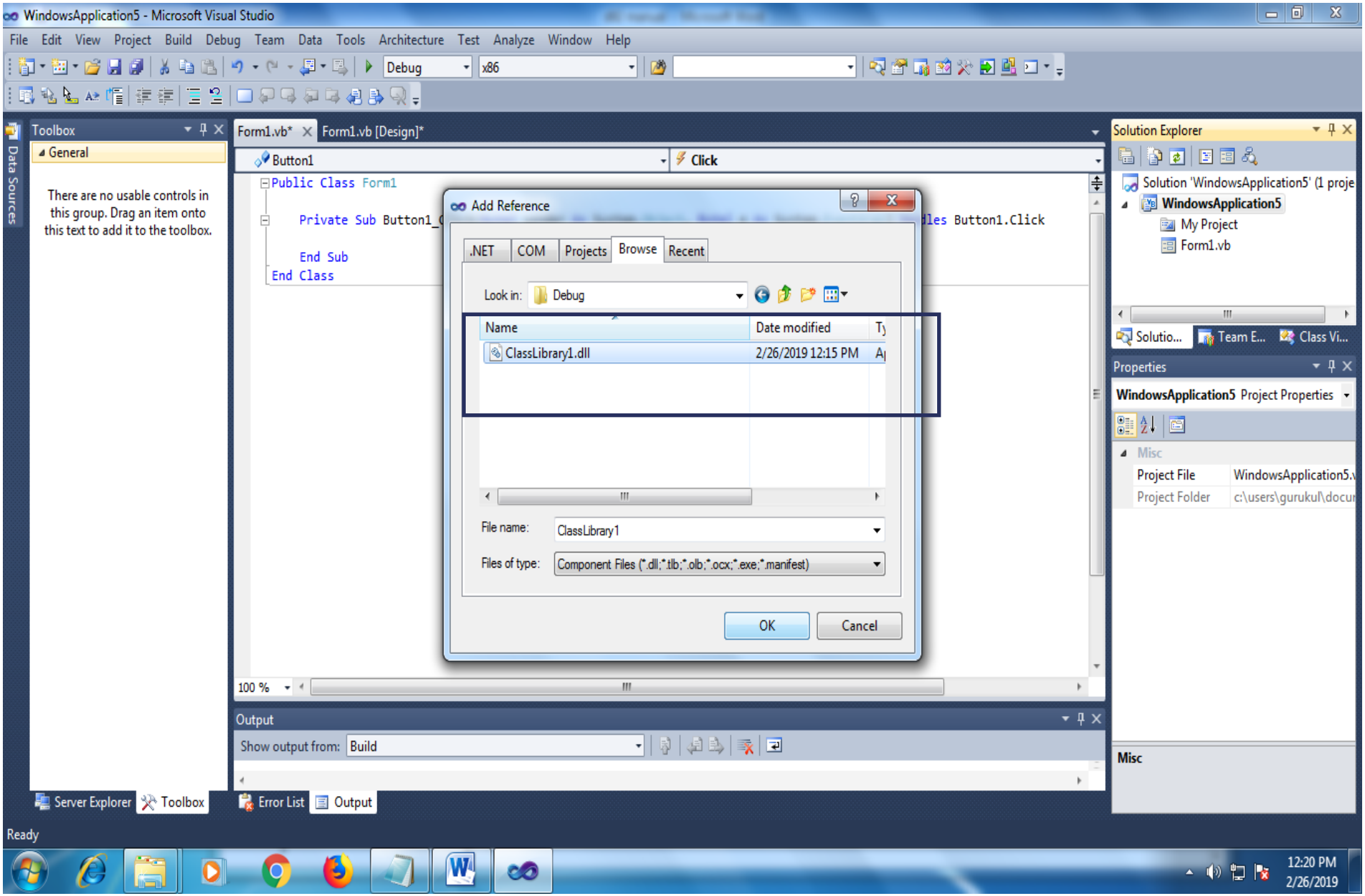


Add the “ClassLibrary1.dll” file →

(this file is stored at the path –

“C:\Users\Gurukul\Documents\Visual Studio 2010\Projects\ClassLibrary1\ClassLibrary1\bin\Debug”)

(this path may vary from computer to computer)


WindowsApplication5 - Microsoft Visual Studio
File Edit View Project Build Debug Team Data Tools Architecture Test Analyze Window Help
Debug
x86
Toolbox
General
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
Form1.vb*
Form1.vb [Design]*
Button1
Click
Public Class Form1
Private Sub Button1_C
End Sub
End Class
les Button1.Click
Add Reference
.NET
COM
Projects
Browse
Recent
Look in:
Debug
Name
Date modified
ClassLibrary1.dll
2/26/2019 12:15 PM
File name:
ClassLibrary1
Files of type:
Component Files (*.dll;*.tlb;*.olb;*.ocx;*.exe;*.manifest)
OK
Cancel
100 %
Output
Show output from:
Build
Solution Explorer
Solution 'WindowsApplication5' (1 proje
WindowsApplication5
My Project
Form1.vb
Solutio...
Team E...
Class Vi...
Properties
WindowsApplication5 Project Properties
Misc
Project File
WindowsApplication5.v
Project Folder
c:\users\gurukul\docu
Misc
Server Explorer
Toolbox
Error List
Output
Ready
12:20 PM
2/26/2019

Write the following code in **“WindowsApplication5”** project

---

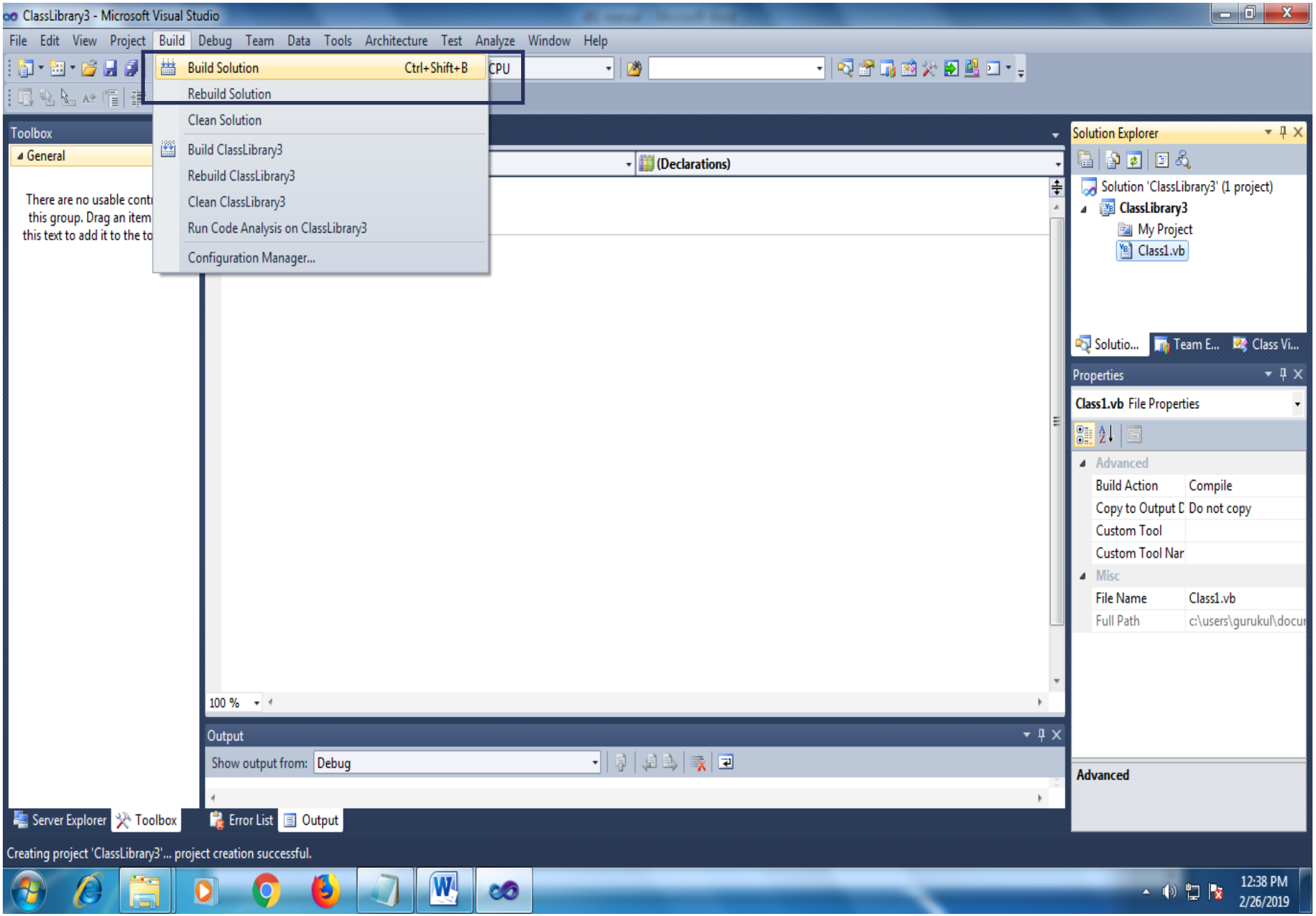
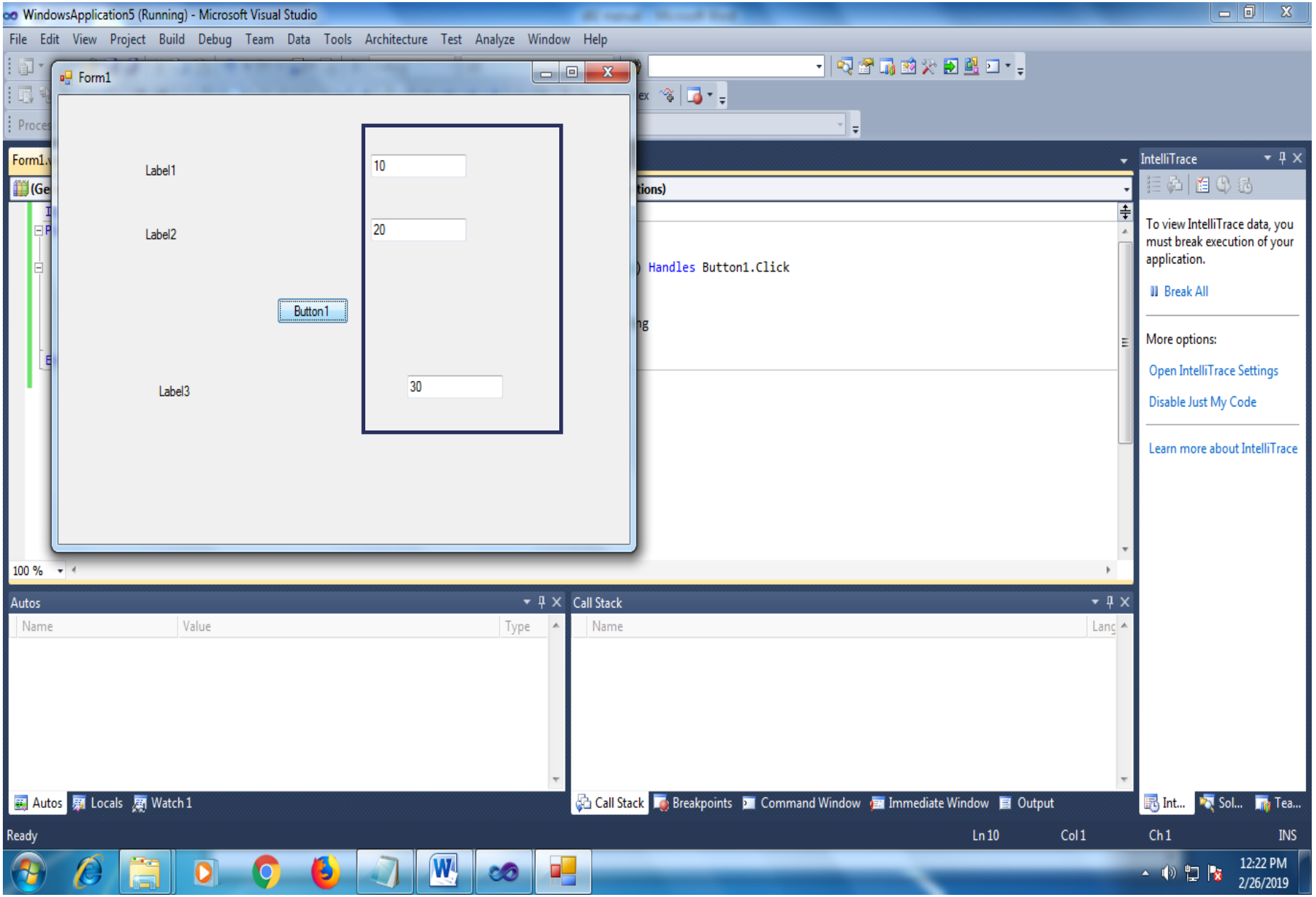
```
Imports ClassLibrary1
Public Class Form1

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button1.Click
        Dim Obj As New ClassLibrary1.MyFunctions

        TextBox3.Text = Obj.AddMyValues(CDbl(TextBox1.Text),
CDbl(TextBox2.Text)).ToString
    End Sub
End Class
```

Run the application

Save All → Build → Build Solution → Run


ClassLibrary3 - Microsoft Visual Studio
File Edit View Project Build Debug Team Data Tools Architecture Test Analyze Window Help
Build Solution Ctrl+Shift+B
Rebuild Solution
Clean Solution
Build ClassLibrary3
Rebuild ClassLibrary3
Clean ClassLibrary3
Run Code Analysis on ClassLibrary3
Configuration Manager...
Toolbox
General
There are no usable contr
this group. Drag an item
this text to add it to the to
(Declarations)
100 %
Solution Explorer
Solution 'ClassLibrary3' (1 project)
ClassLibrary3
My Project
Class1.vb
Solutio...
Team E...
Class Vi...
Properties
Class1.vb File Properties
Advanced
Build Action Compile
Copy to Output D Do not copy
Custom Tool
Custom Tool Nar
Misc
File Name Class1.vb
Full Path c:\users\gurukul\docu
Advanced
Output
Show output from: Debug
Server Explorer
Toolbox
Error List
Output
Creating project 'ClassLibrary3'... project creation successful.
12:38 PM
2/26/2019

Output will be displayed →