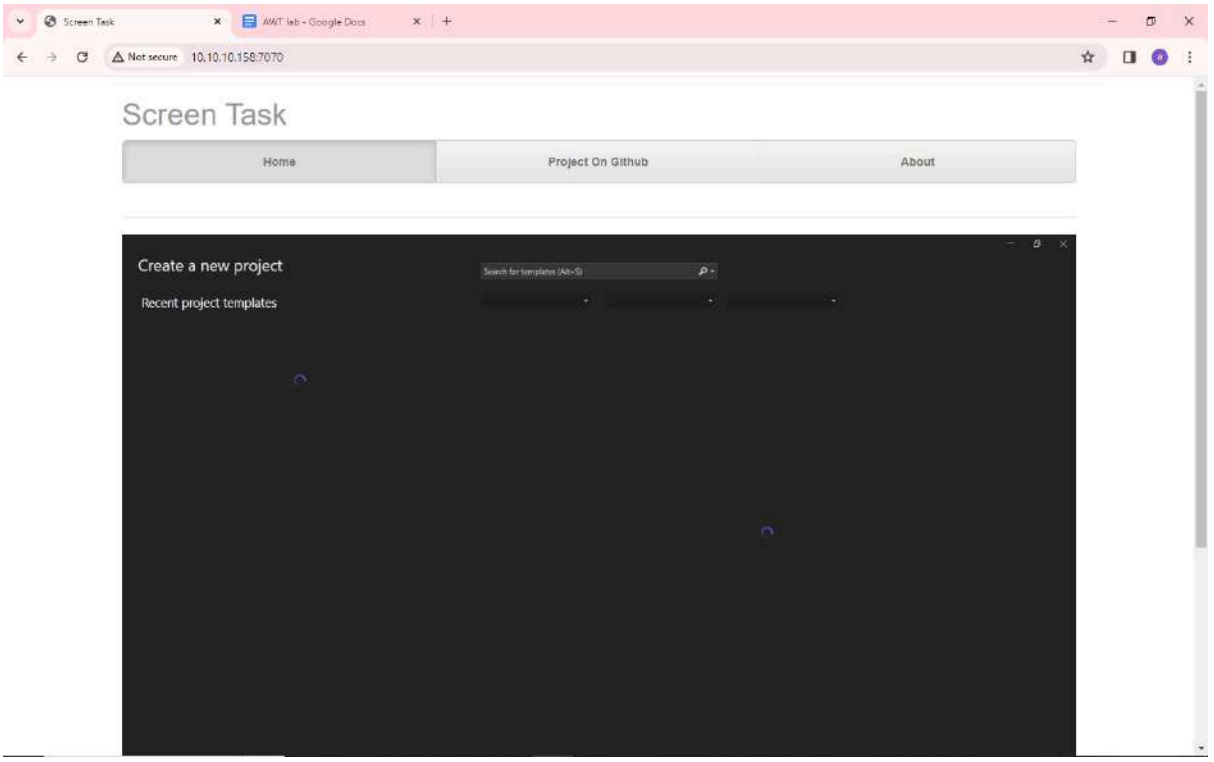
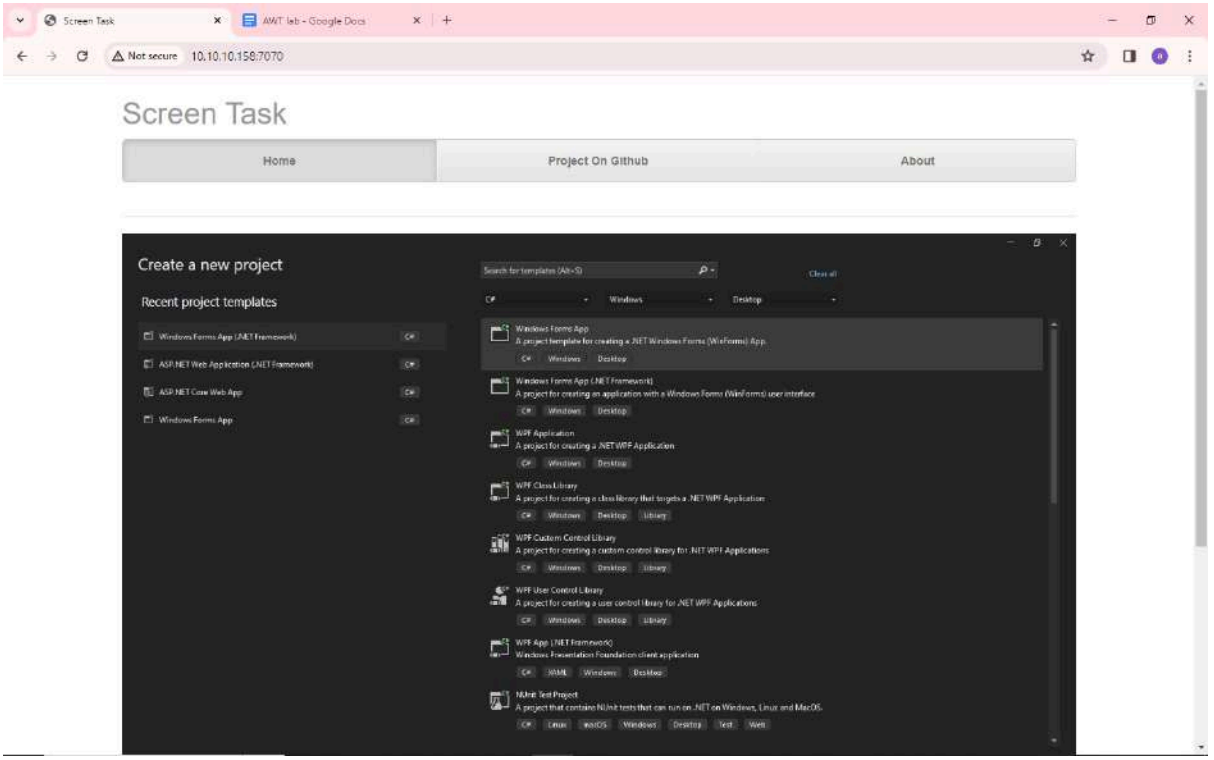
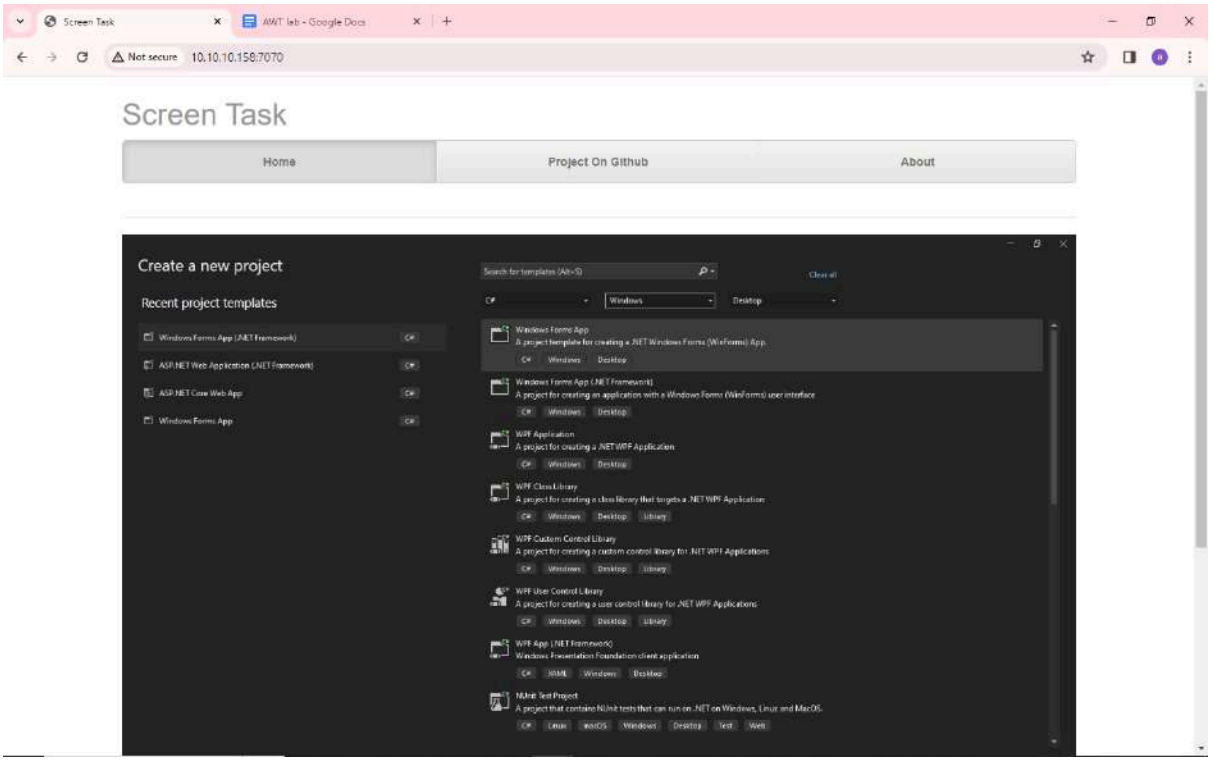
Lab1:

1) .net mvc entire framework(backend , frontend)

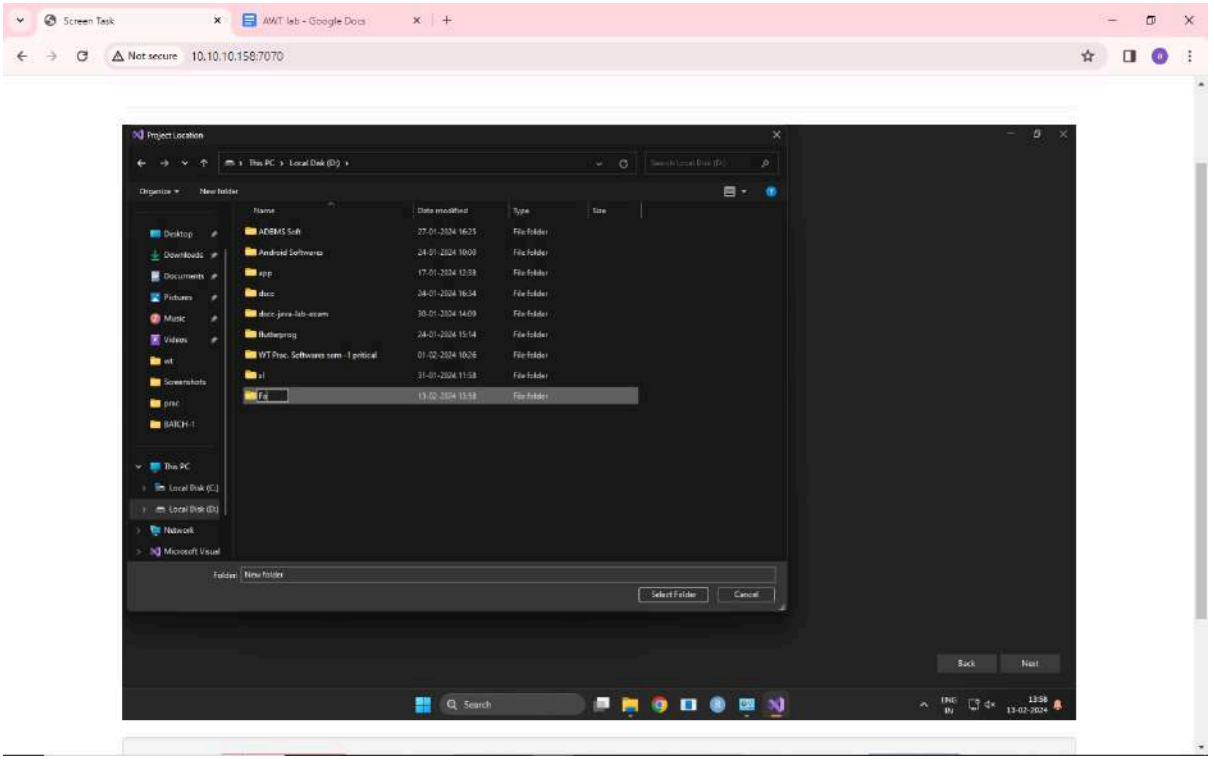
2) Conversion mean<
   Create new project

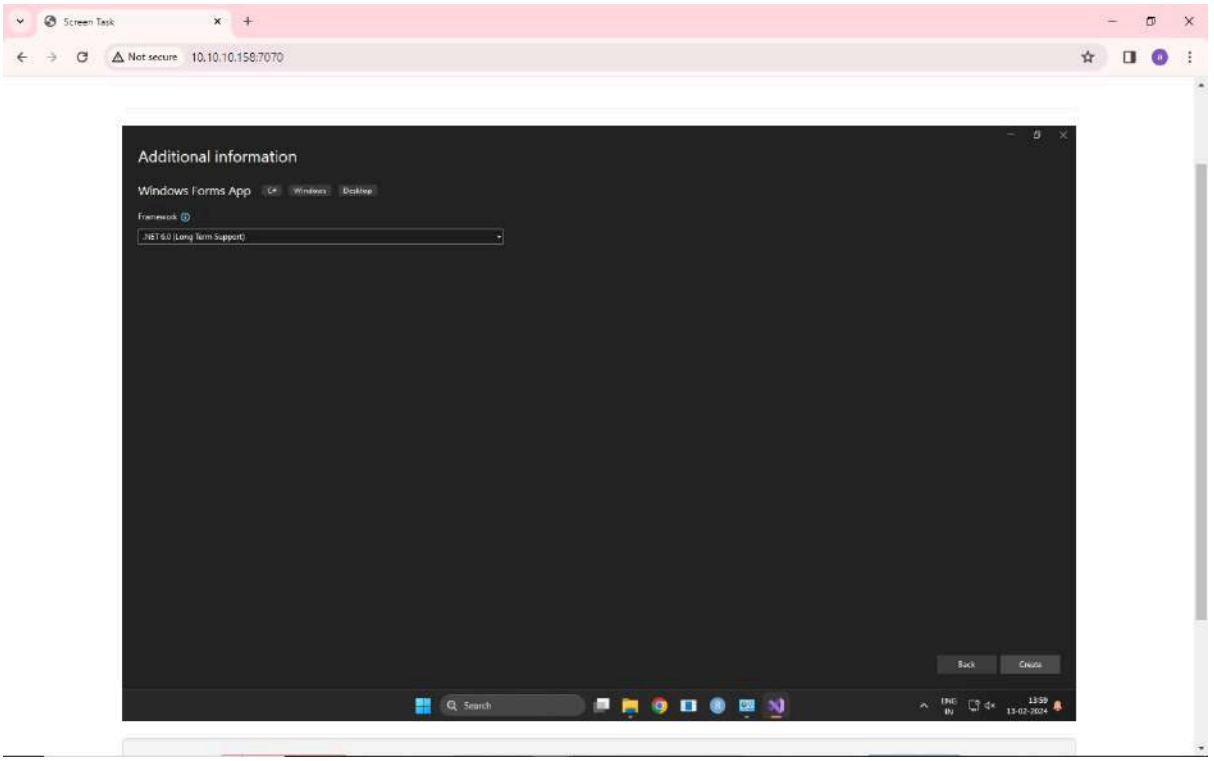




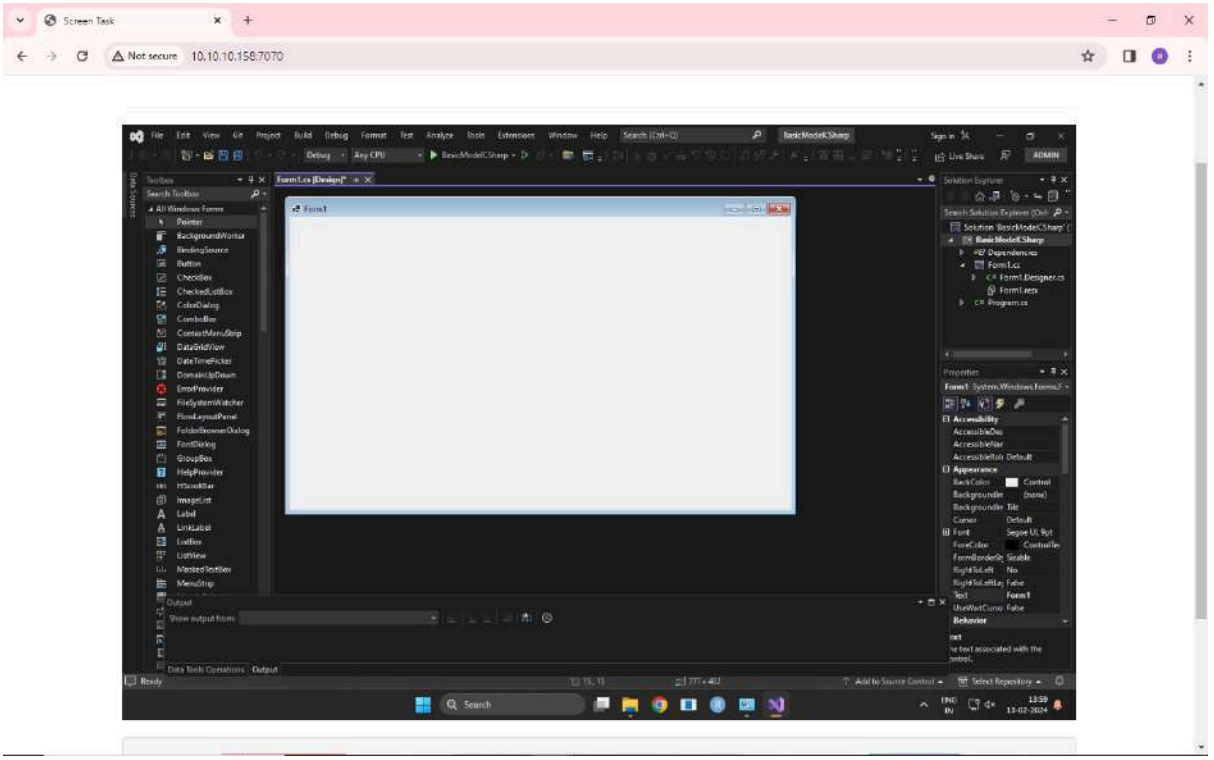


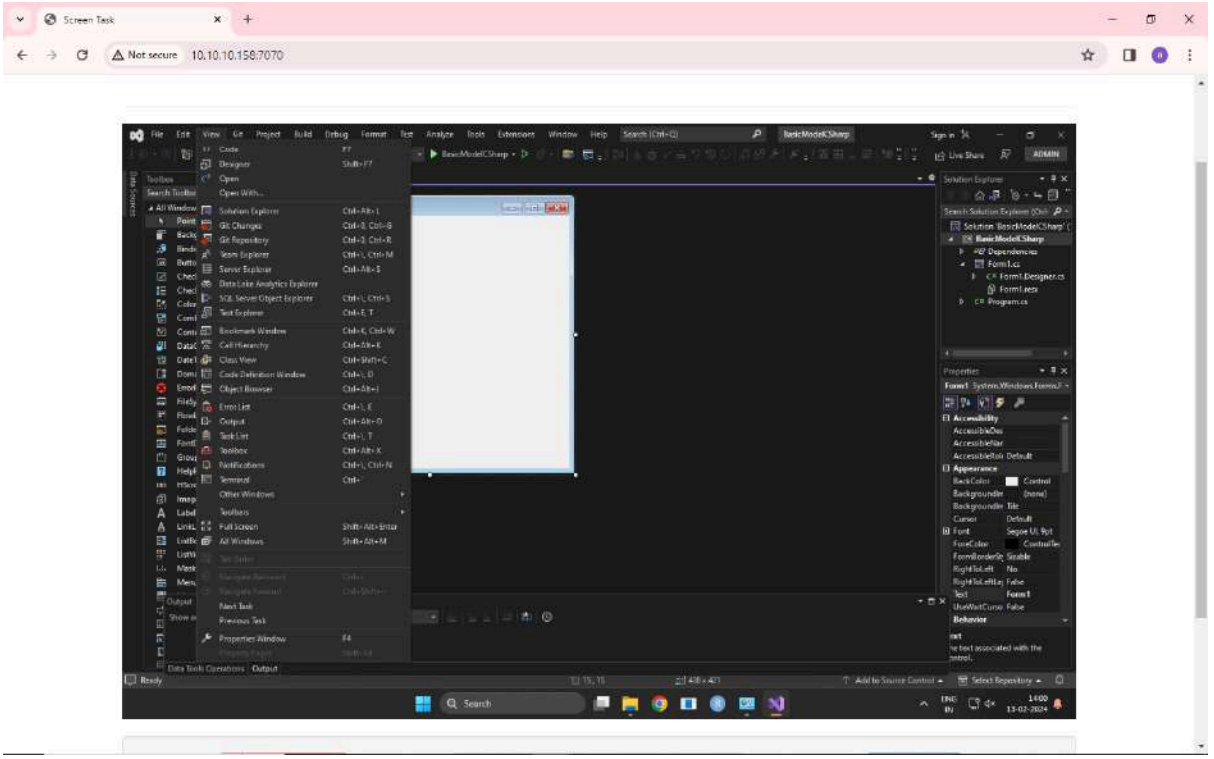
New folder in d drive





Default .net6.0


Screen Task
Not secure
10.10.10.158:7070


Screen Task
Not secure
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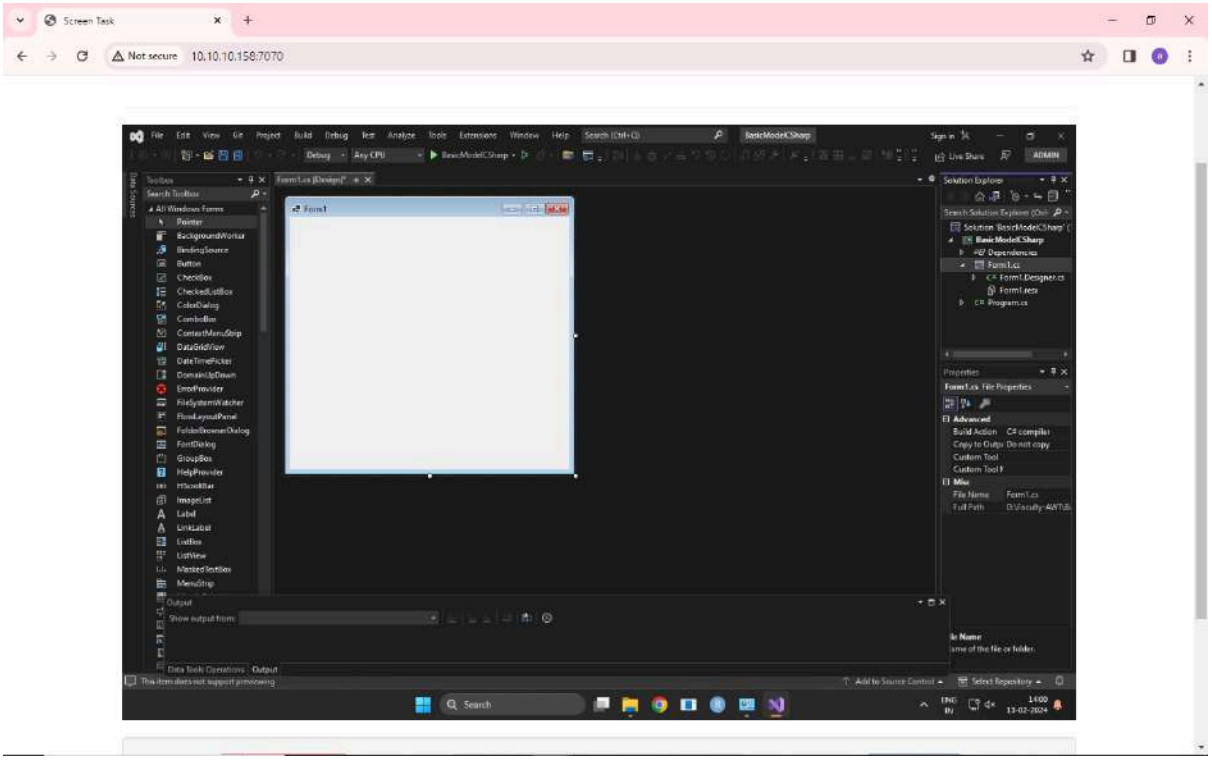
Screen Task
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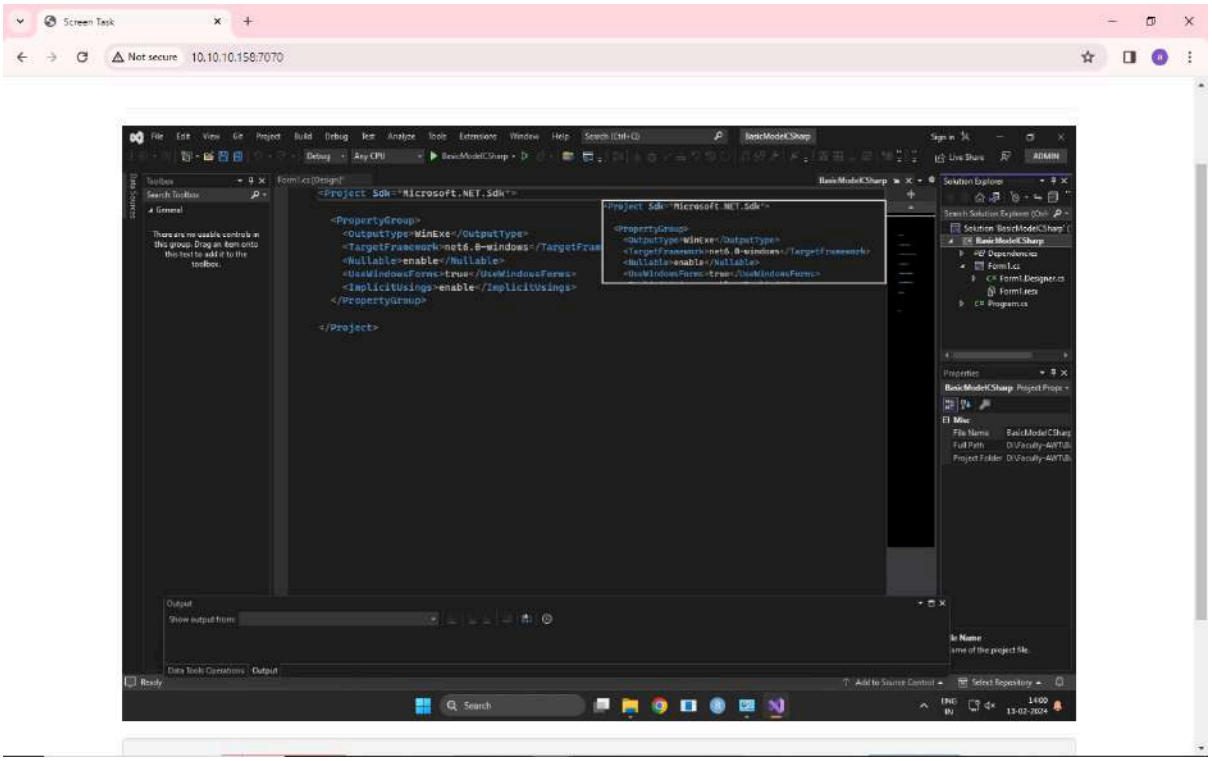
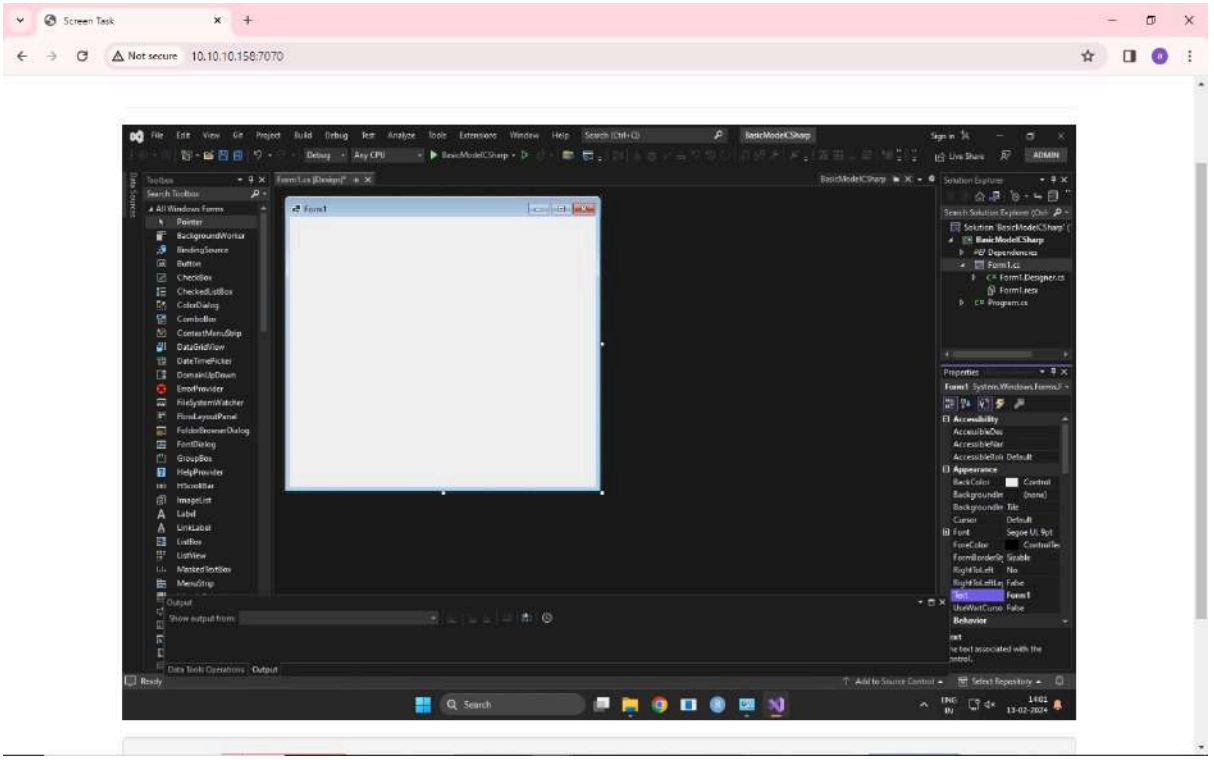
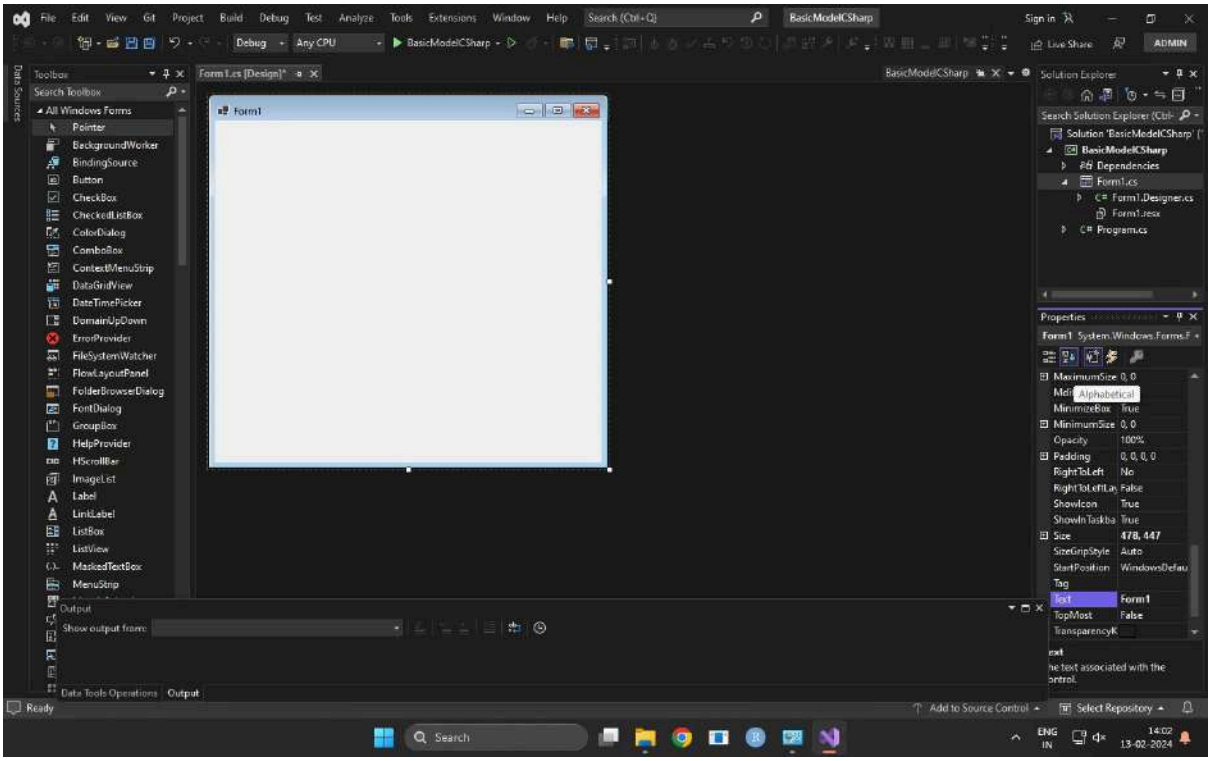
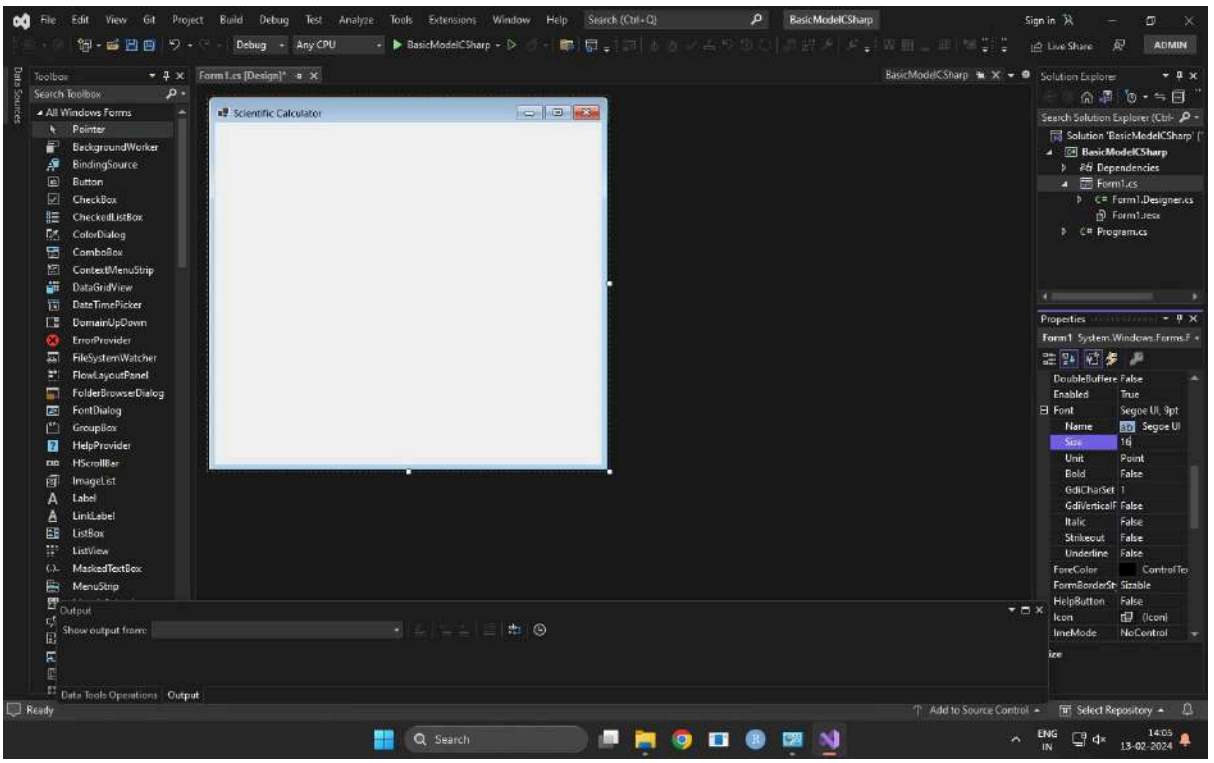

Screen Task
Not secure
10.10.10.158:7070

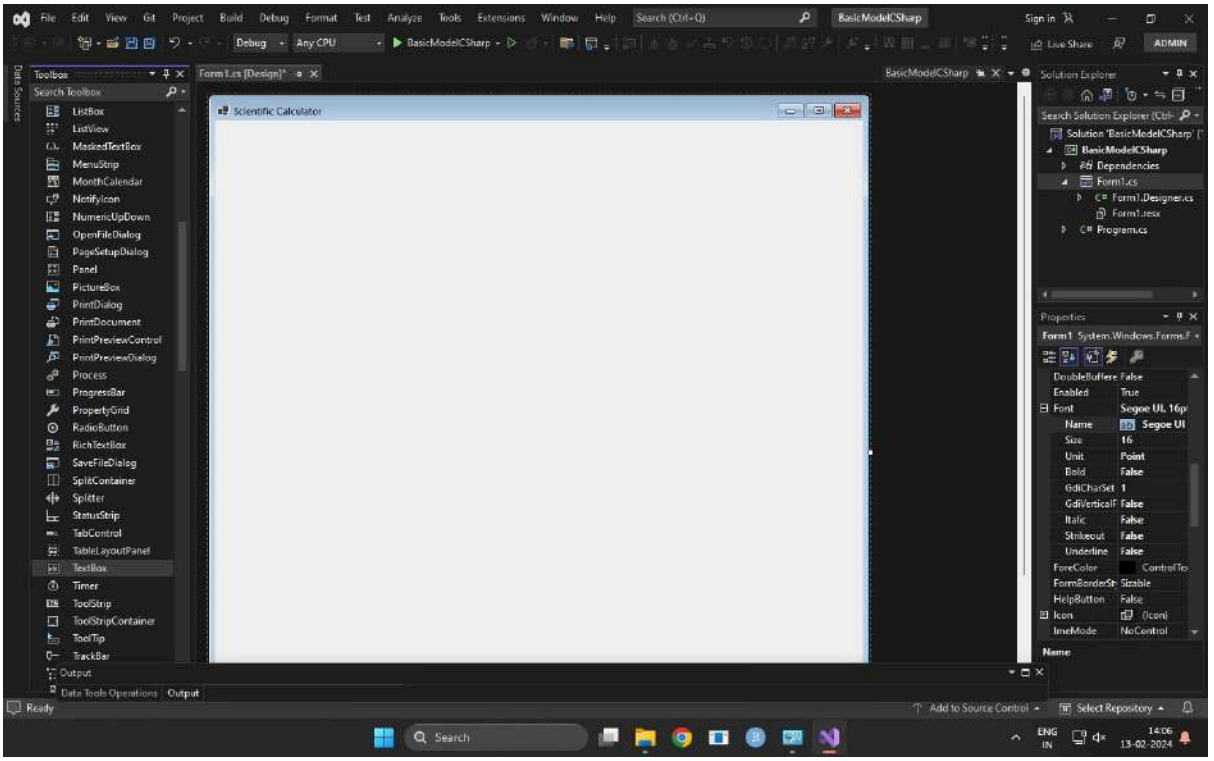




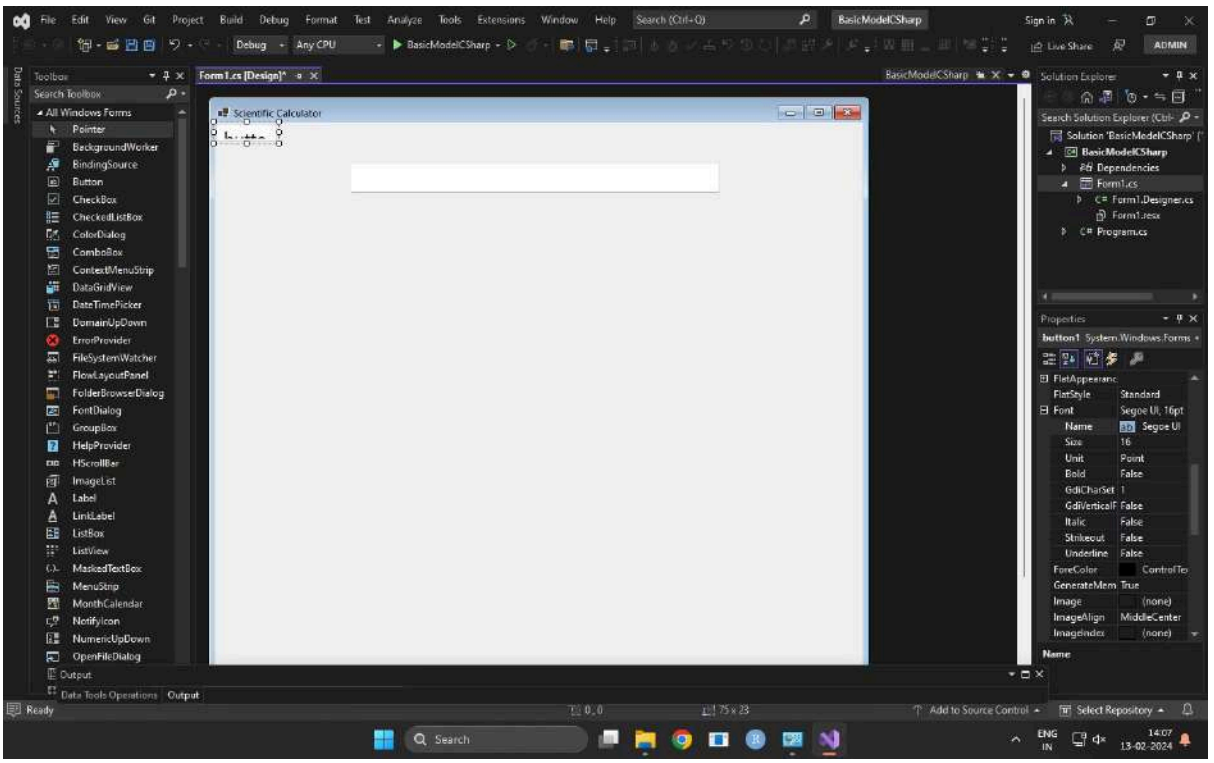
(name) name of the object -> form1

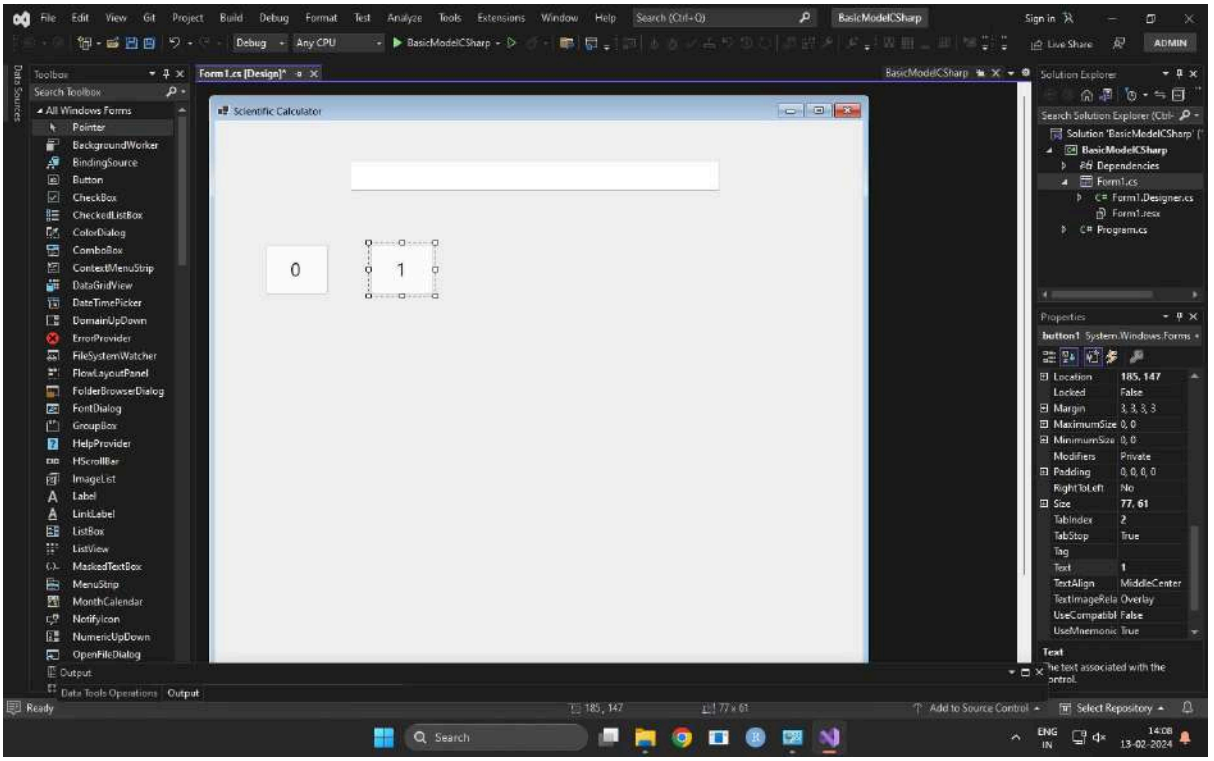


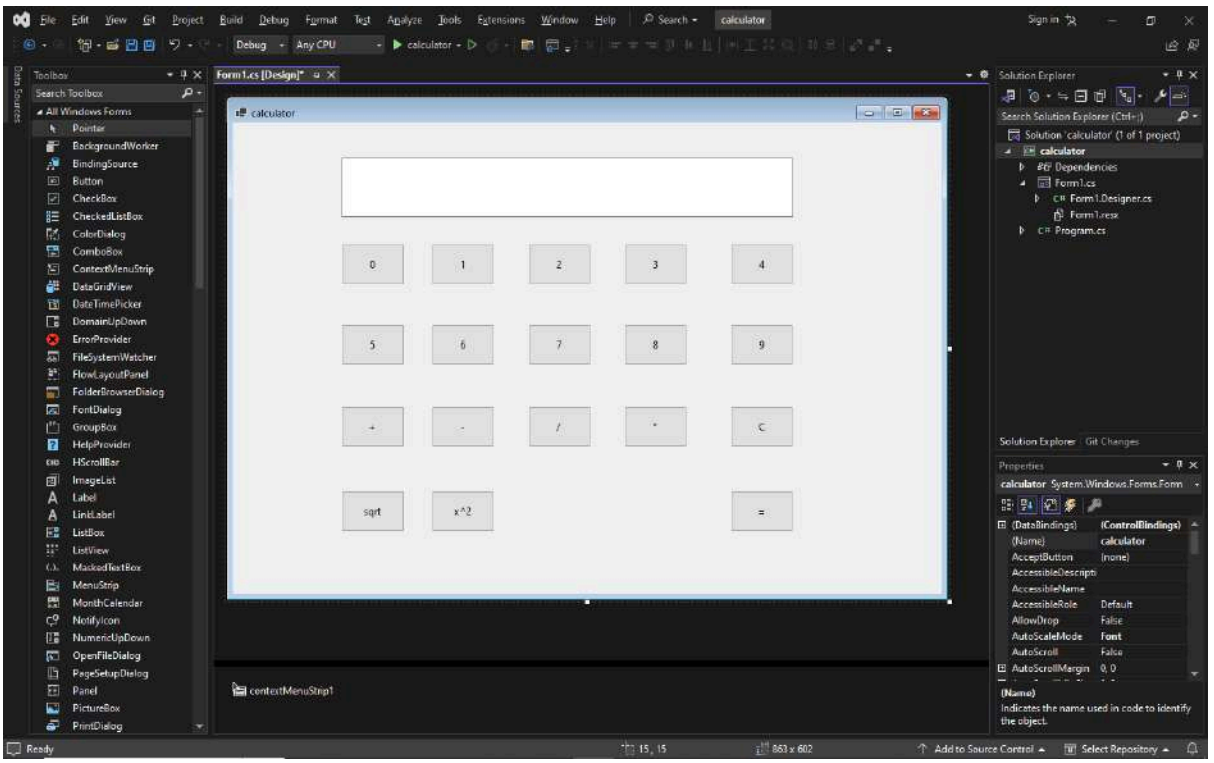
Double click text box



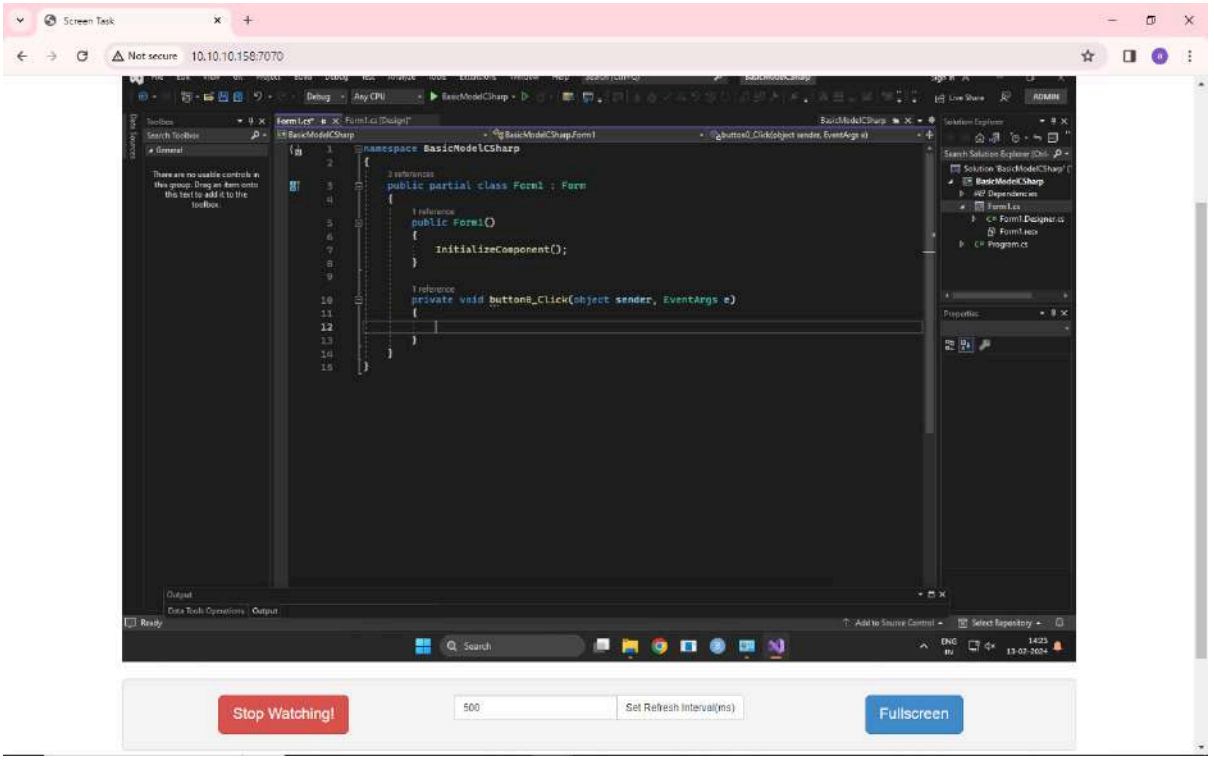
Add button

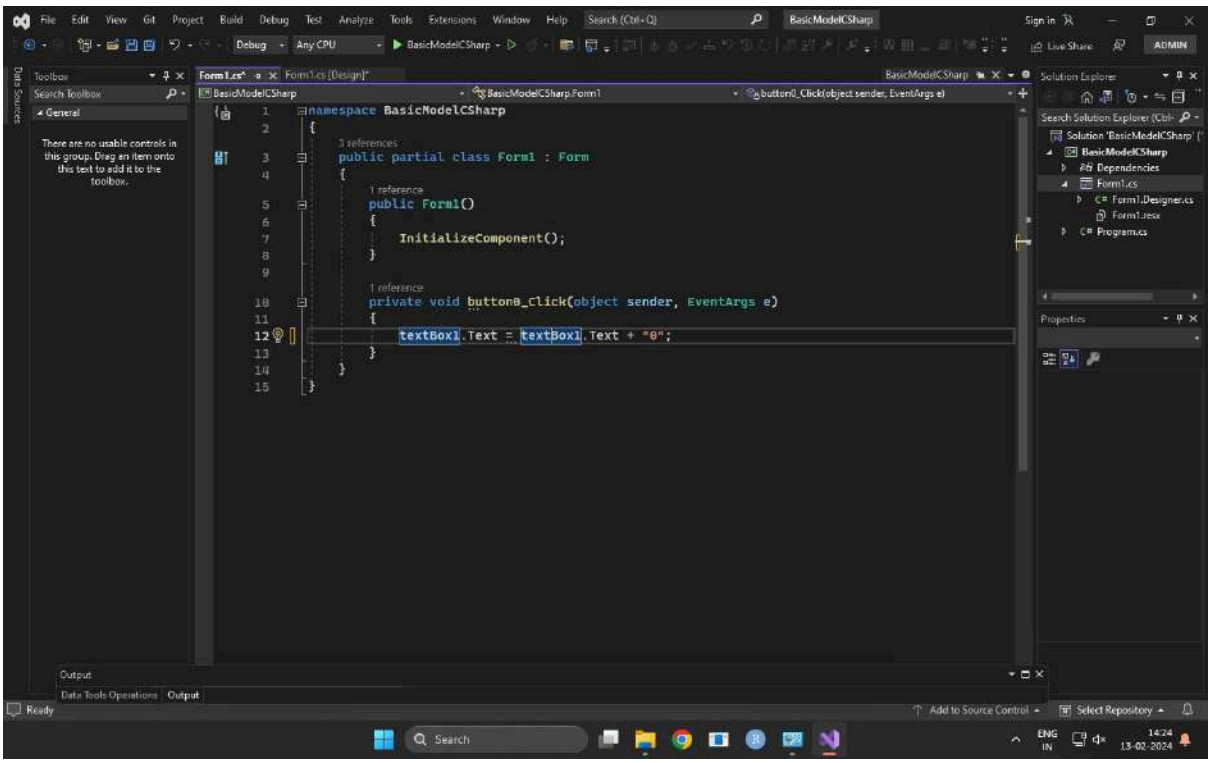

Scientific Calculator
Form1.cs [Design]*
BasicModelCSharp
Solution Explorer
Properties
Toolbox
Ready

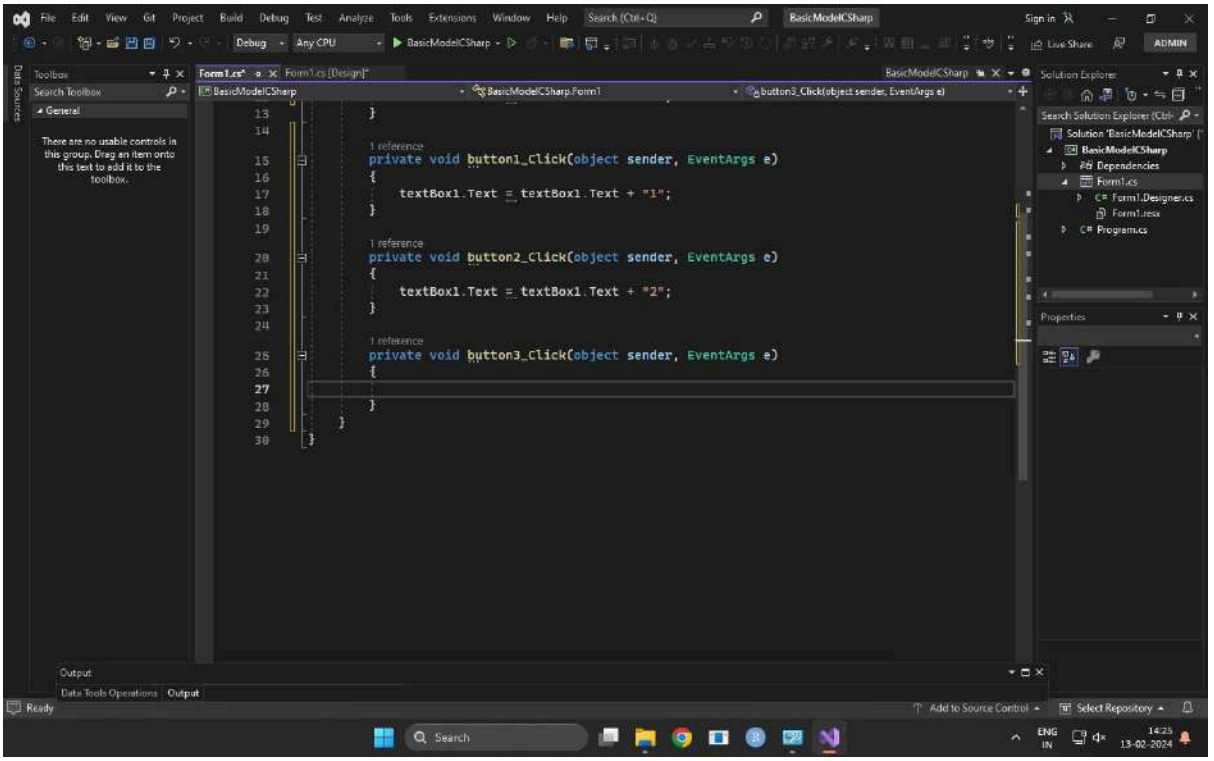

Scientific Calculator
0
1
Form1.cs [Design]*
BasicModelCSharp
Solution Explorer
Properties
Toolbox
Ready

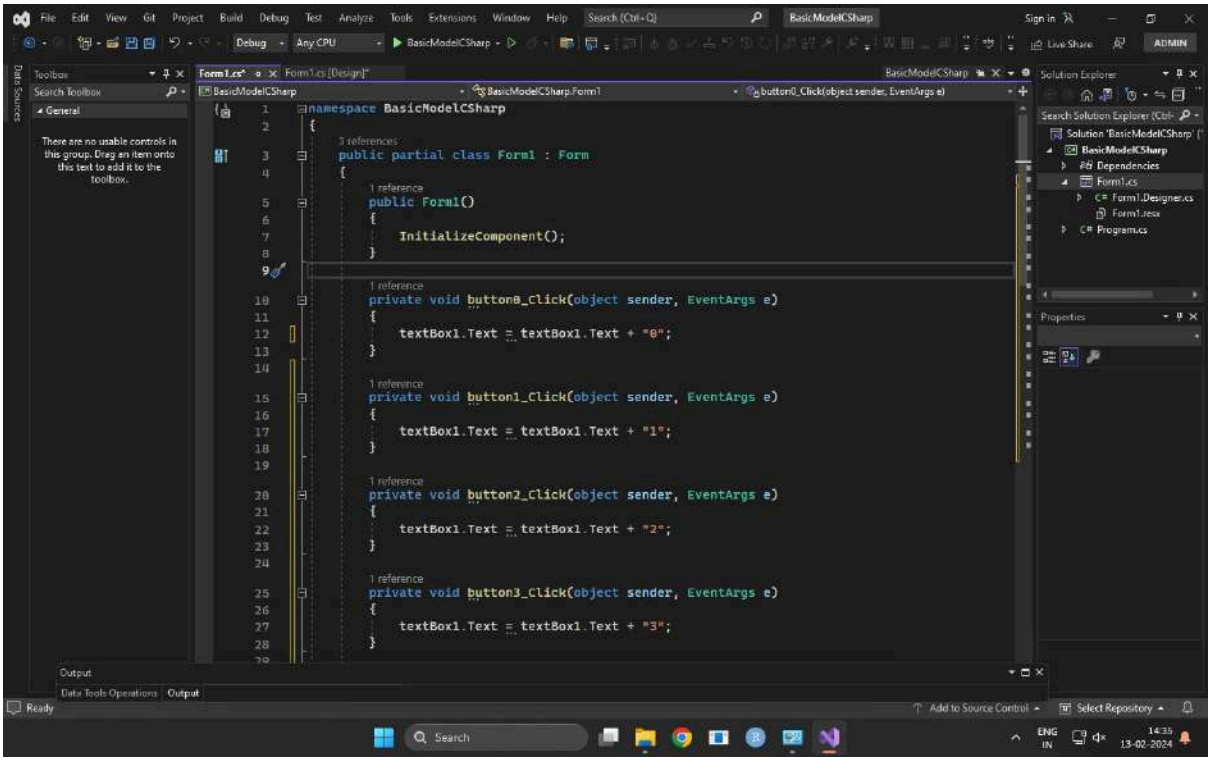


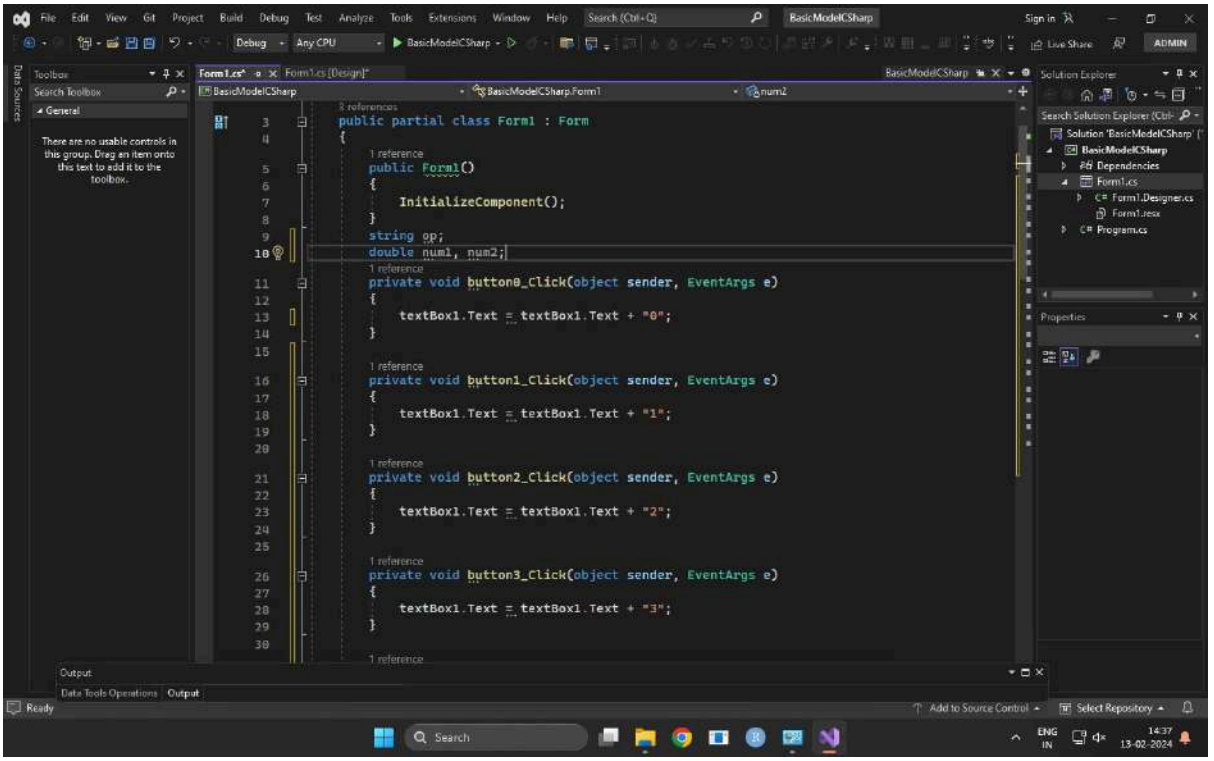
Double click on button



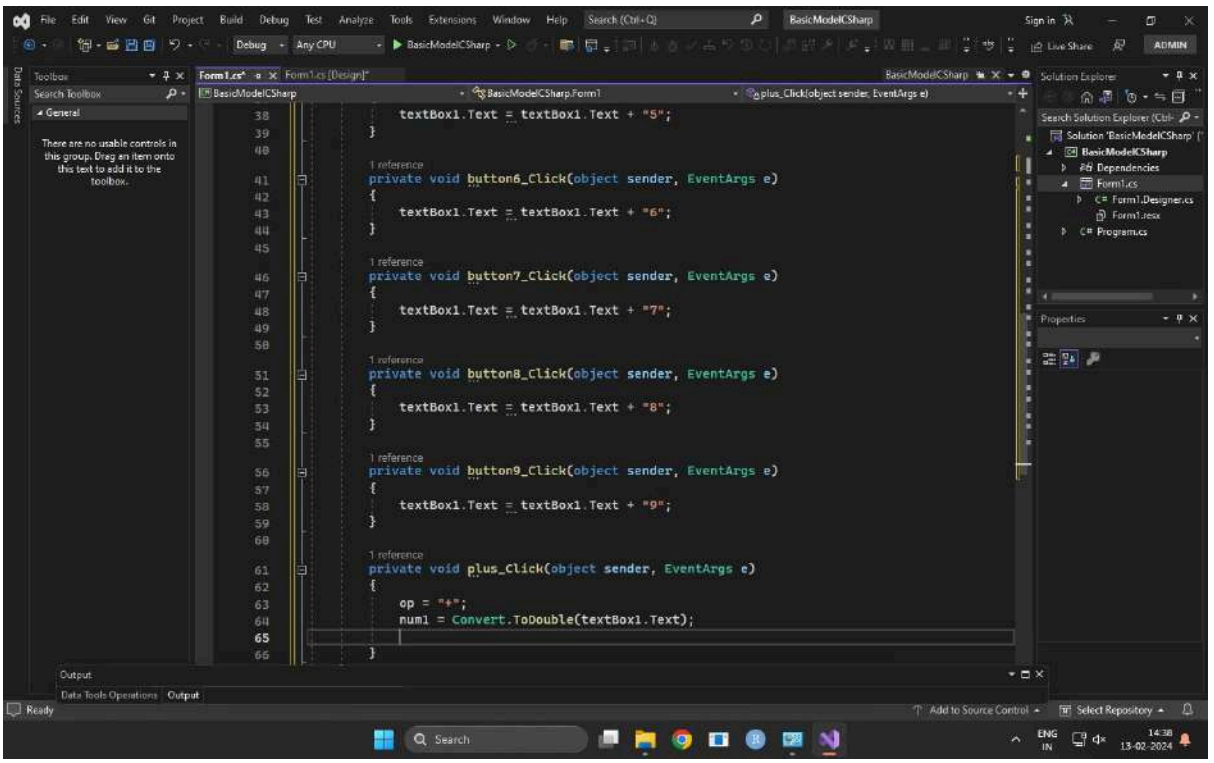

namespace BasicModelCSharp
{
3 references
public partial class Form1 : Form
{
1 reference
public Form1()
{
InitializeComponent();
}
1 reference
private void button0_Click(object sender, EventArgs e)
{
textBox1.Text = textBox1.Text + "0";
}
}
}


}
1 reference
private void button1_Click(object sender, EventArgs e)
{
textBox1.Text = textBox1.Text + "1";
}
1 reference
private void button2_Click(object sender, EventArgs e)
{
textBox1.Text = textBox1.Text + "2";
}
1 reference
private void button3_Click(object sender, EventArgs e)
{
}
}
}



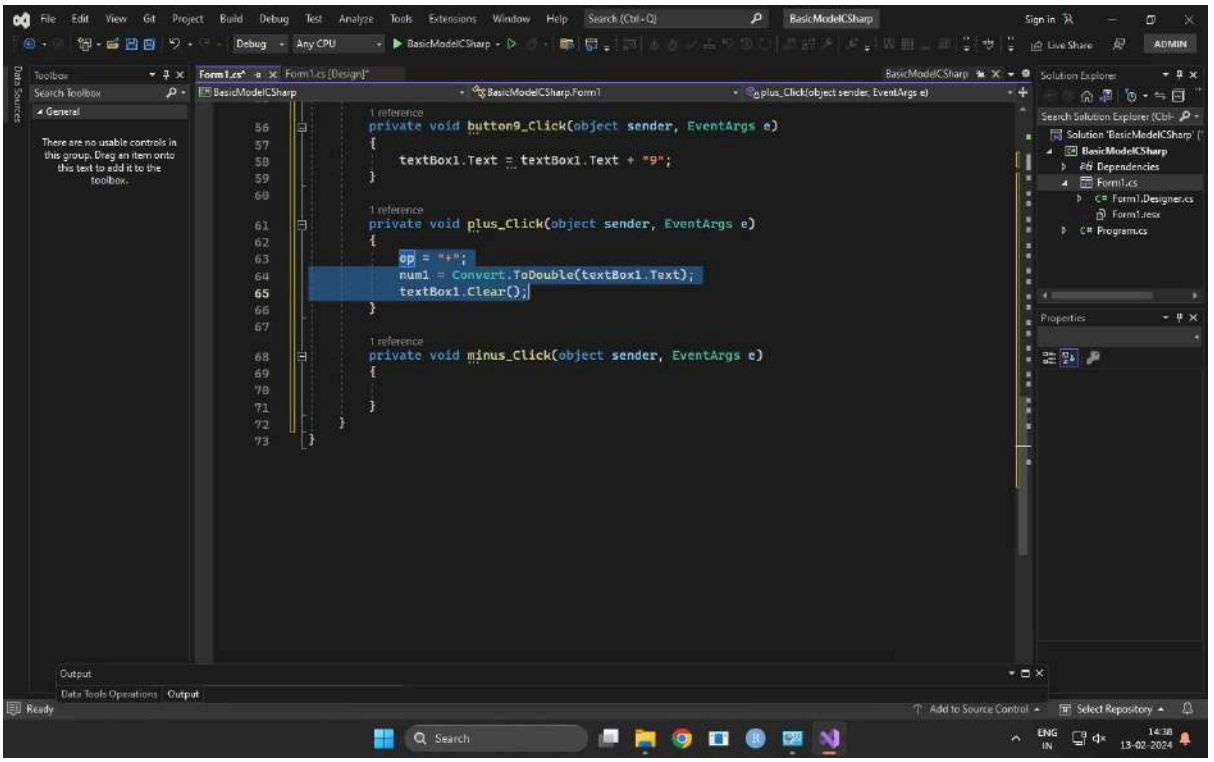


to hold to nums in text box

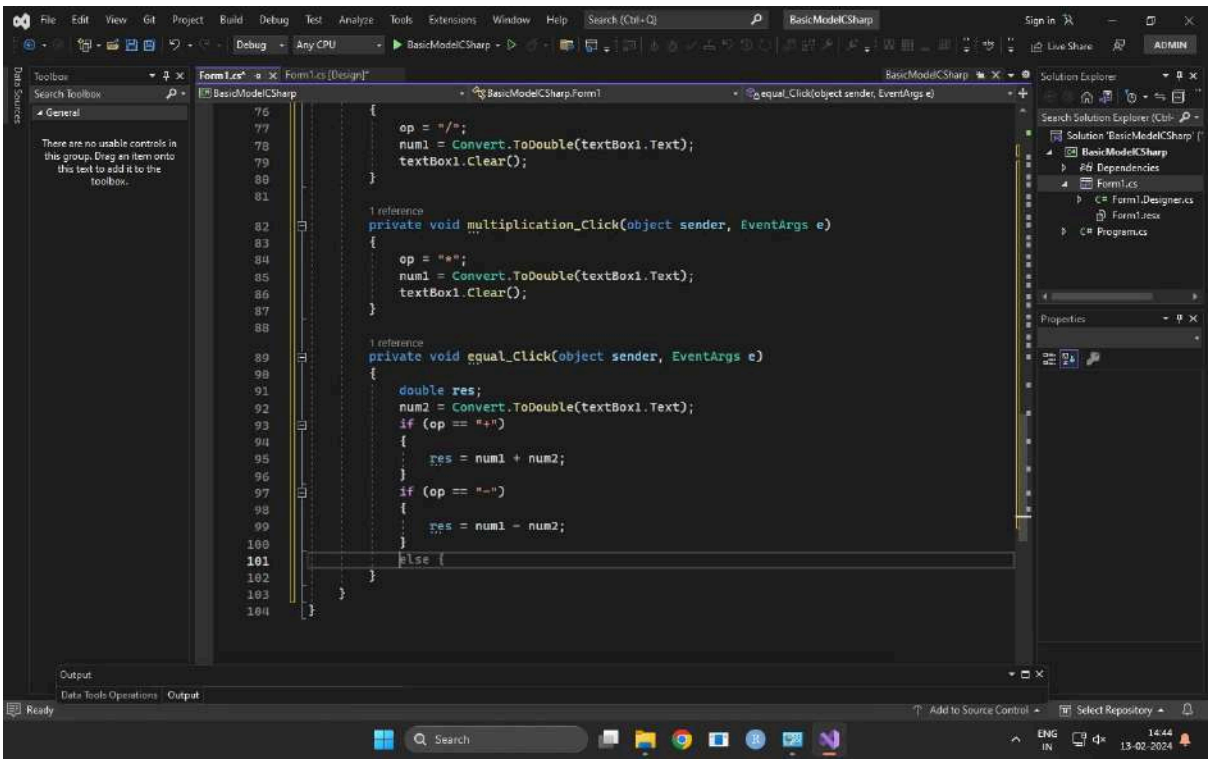


```
        textBox1.Text = textBox1.Text + "5";
    }

    1 reference
    private void button6_Click(object sender, EventArgs e)
    {
        textBox1.Text = textBox1.Text + "6";
    }

    1 reference
    private void button7_Click(object sender, EventArgs e)
    {
        textBox1.Text = textBox1.Text + "7";
    }

    1 reference
    private void button8_Click(object sender, EventArgs e)
    {
        textBox1.Text = textBox1.Text + "8";
    }

    1 reference
    private void button9_Click(object sender, EventArgs e)
    {
        textBox1.Text = textBox1.Text + "9";
    }

    1 reference
    private void plus_Click(object sender, EventArgs e)
    {
        op = "+";
        num1 = Convert.ToDouble(textBox1.Text);

    }
```

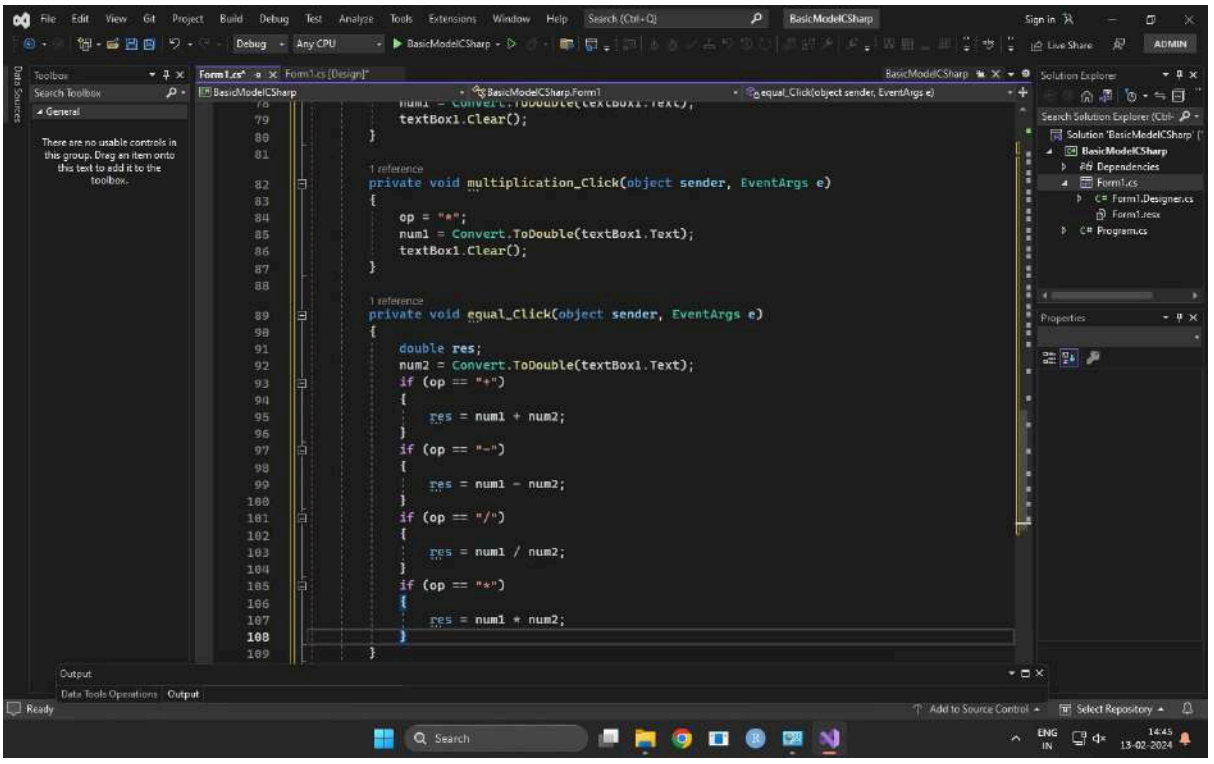
Similar for minus



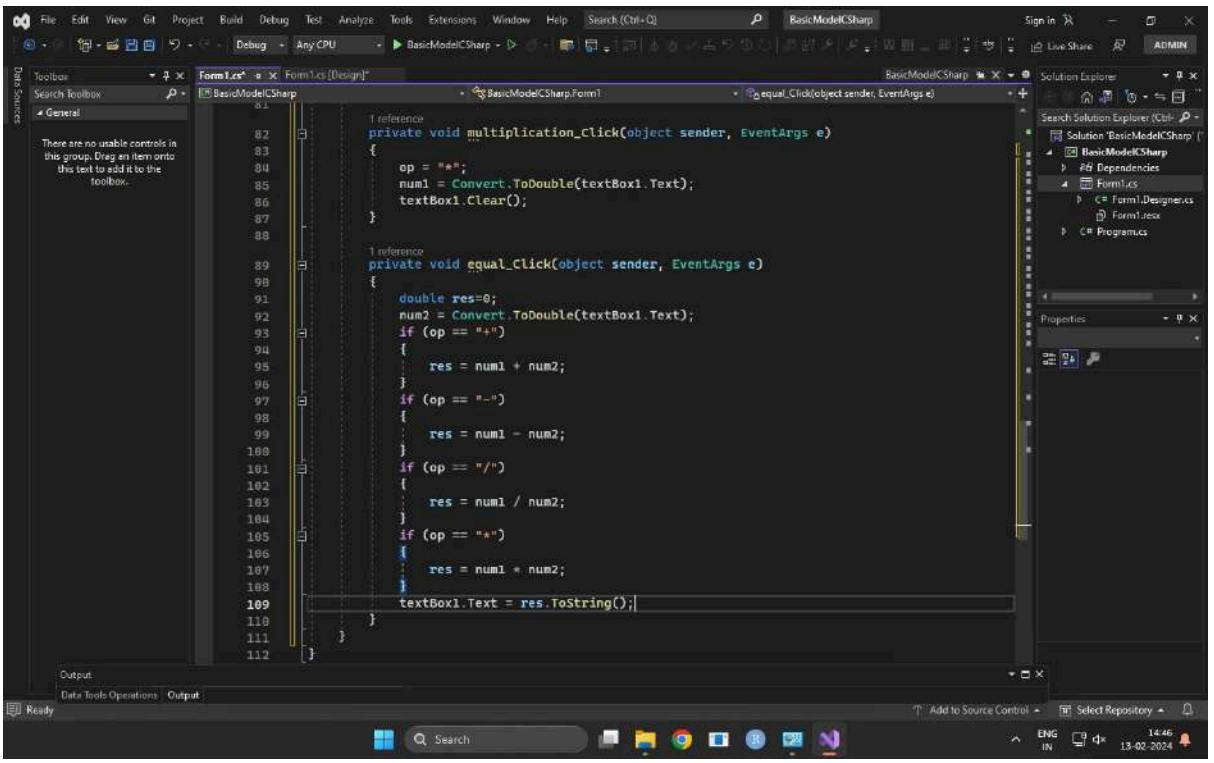
```
    1 reference
    private void button9_Click(object sender, EventArgs e)
    {
        textBox1.Text = textBox1.Text + "9";
    }

    1 reference
    private void plus_Click(object sender, EventArgs e)
    {
        op = "+";
        num1 = Convert.ToDouble(textBox1.Text);
        textBox1.Clear();
    }

    1 reference
    private void minus_Click(object sender, EventArgs e)
    {

    }
}
}
```



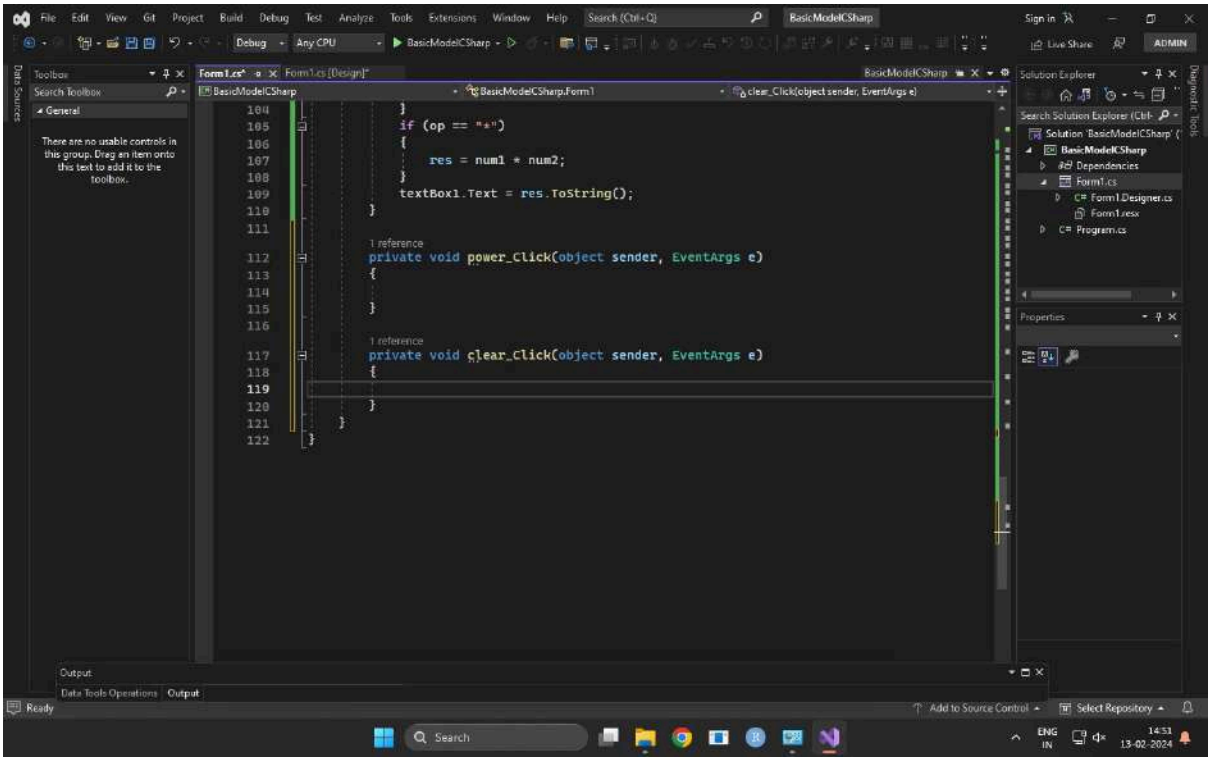
```
        {
            op = "/";
            num1 = Convert.ToDouble(textBox1.Text);
            textBox1.Clear();
        }

        1 reference
        private void multiplication_Click(object sender, EventArgs e)
        {
            op = "*";
            num1 = Convert.ToDouble(textBox1.Text);
            textBox1.Clear();
        }

        1 reference
        private void equal_Click(object sender, EventArgs e)
        {
            double res;
            num2 = Convert.ToDouble(textBox1.Text);
            if (op == "+")
            {
                res = num1 + num2;
            }
            if (op == "-")
            {
                res = num1 - num2;
            }
            else {
            }
        }
    }
}
```



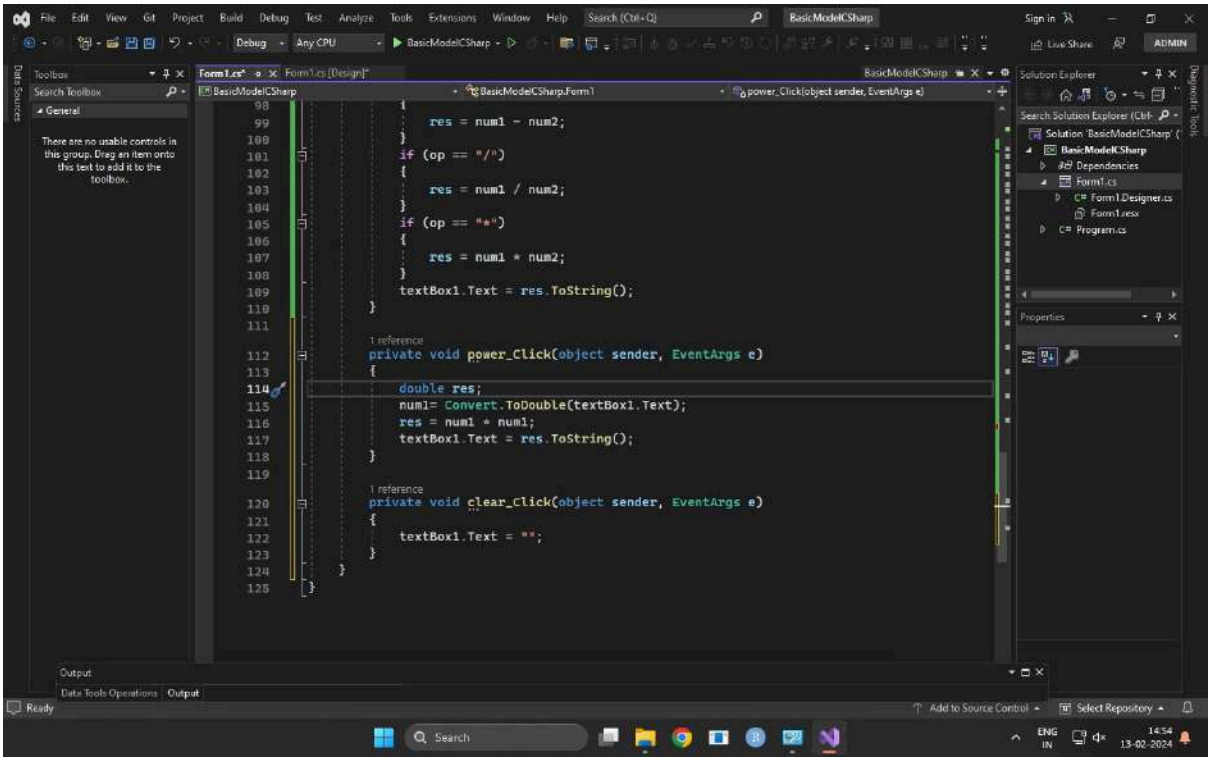
```
        {
            op = "/";
            num1 = Convert.ToDouble(textBox1.Text);
            textBox1.Clear();
        }

        1 reference
        private void multiplication_Click(object sender, EventArgs e)
        {
            op = "*";
            num1 = Convert.ToDouble(textBox1.Text);
            textBox1.Clear();
        }

        1 reference
        private void equal_Click(object sender, EventArgs e)
        {
            double res;
            num2 = Convert.ToDouble(textBox1.Text);
            if (op == "+")
            {
                res = num1 + num2;
            }
            if (op == "-")
            {
                res = num1 - num2;
            }
            if (op == "/")
            {
                res = num1 / num2;
            }
            if (op == "*")
            {
                res = num1 * num2;
            }
        }
```

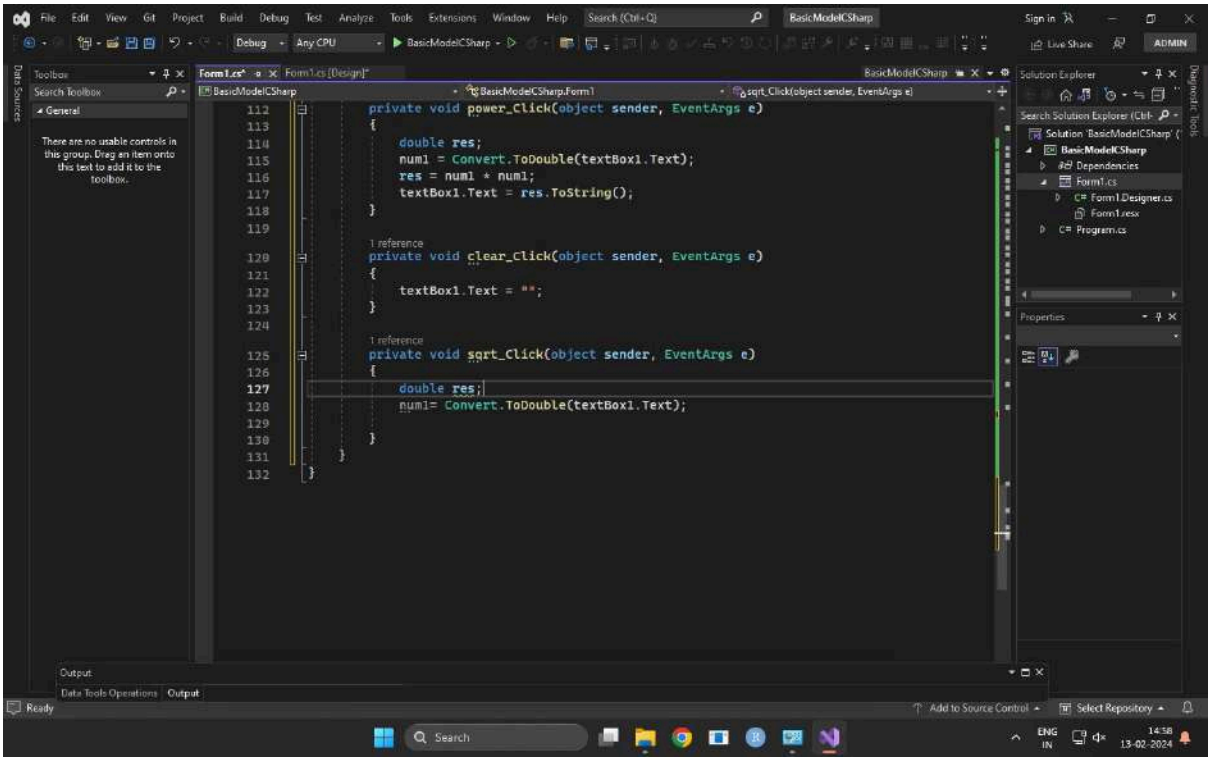


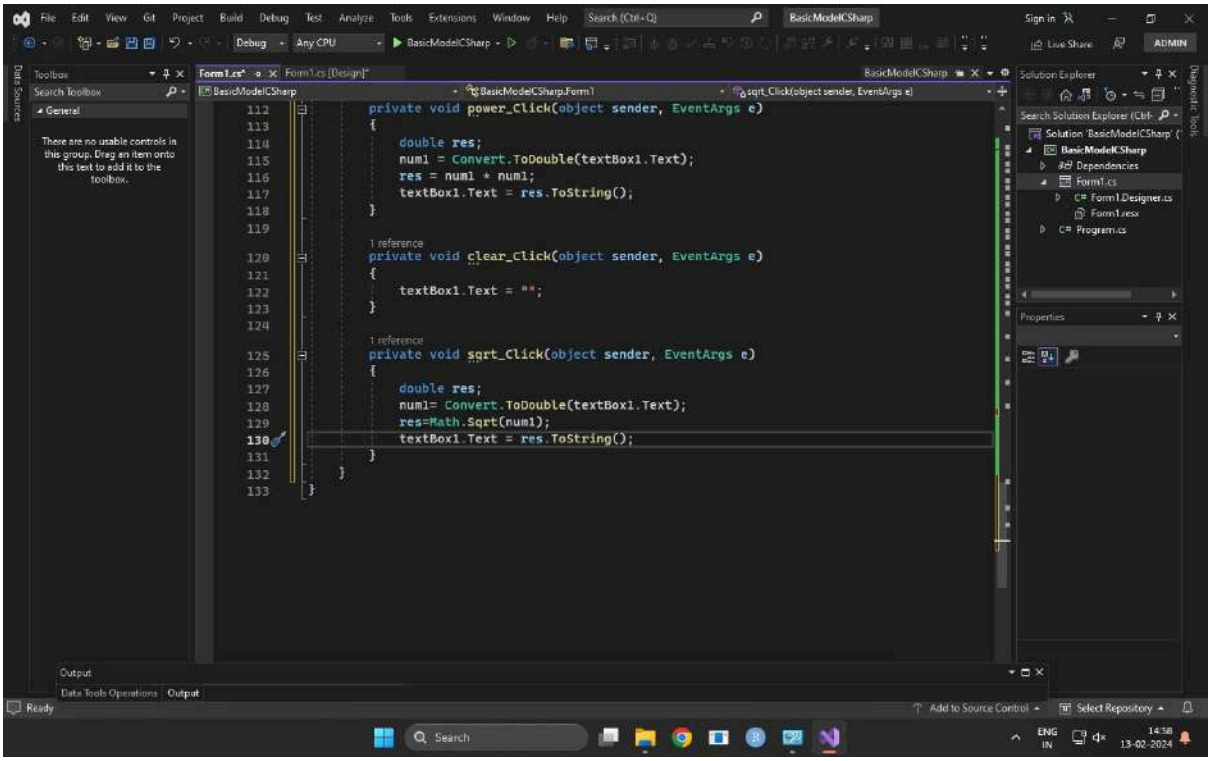
```
        1 reference
        private void multiplication_Click(object sender, EventArgs e)
        {
            op = "*";
            num1 = Convert.ToDouble(textBox1.Text);
            textBox1.Clear();
        }

        1 reference
        private void equal_Click(object sender, EventArgs e)
        {
            double res=0;
            num2 = Convert.ToDouble(textBox1.Text);
            if (op == "+")
            {
                res = num1 + num2;
            }
            if (op == "-")
            {
                res = num1 - num2;
            }
            if (op == "/")
            {
                res = num1 / num2;
            }
            if (op == "*")
            {
                res = num1 * num2;
            }
            textBox1.Text = res.ToString();
        }
    }
}
```



```
            }
            if (op == "*")
            {
                res = num1 * num2;
            }
            textBox1.Text = res.ToString();
        }

        1 reference
        private void power_Click(object sender, EventArgs e)
        {

        }

        1 reference
        private void clear_Click(object sender, EventArgs e)
        {

        }
    }
}
```


File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
BasicModelCSharp
Sign in
Live Share
ADMIN
Debug
Any CPU
Toolbox
Search Toolbox
General
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
Form1.cs*
Form1.cs [Design]*
BasicModelCSharp.Form1
power_Click(object sender, EventArgs e)
res = num1 - num2;
if (op == "/")
res = num1 / num2;
if (op == "*")
res = num1 * num2;
textBox1.Text = res.ToString();
1 reference
private void power_Click(object sender, EventArgs e)
double res;
num1= Convert.ToDouble(textBox1.Text);
res = num1 * num1;
textBox1.Text = res.ToString();
1 reference
private void clear_Click(object sender, EventArgs e)
textBox1.Text = "";
Solution Explorer
Search Solution Explorer (Ctrl-
Solution 'BasicModelCSharp'
BasicModelCSharp
Dependencies
Form1.cs
Form1.Designer.cs
Form1.resx
Program.cs
Properties
Output
Data Tools Operations
Output
Ready
Add to Source Control
Select Repository
Search
ENG
IN
14:54
13-02-2024

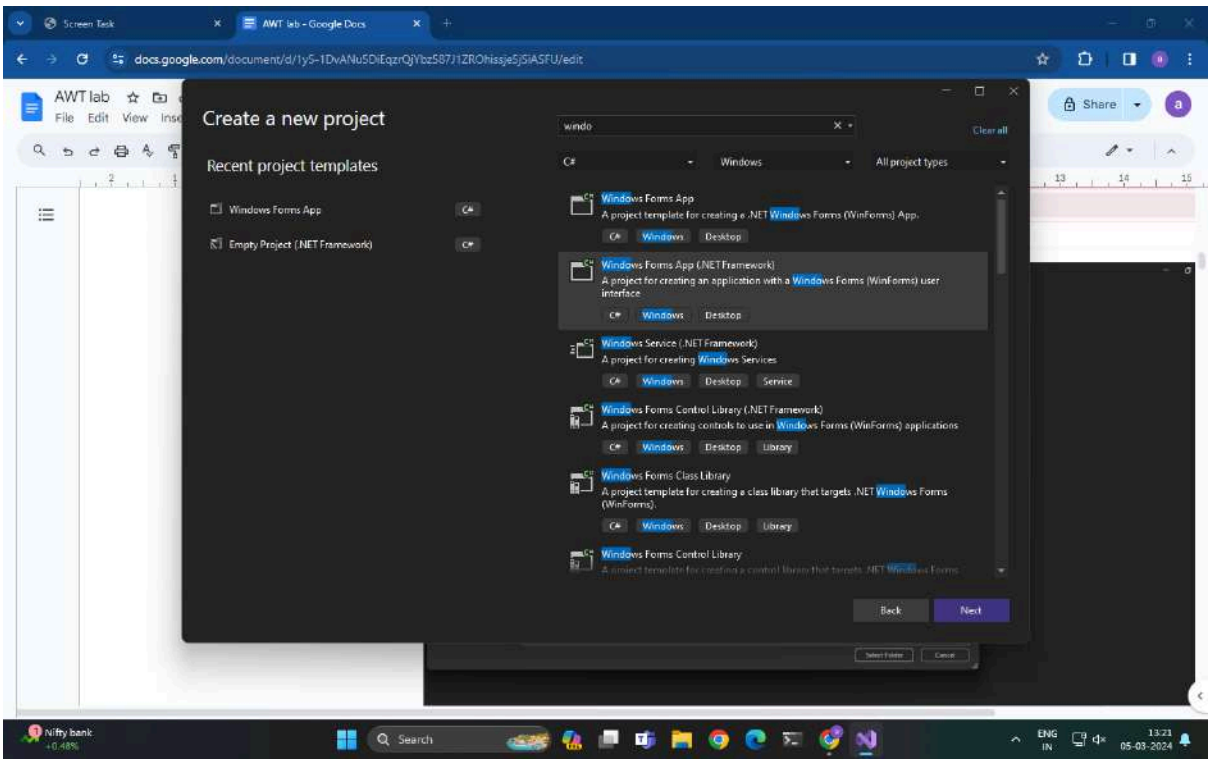




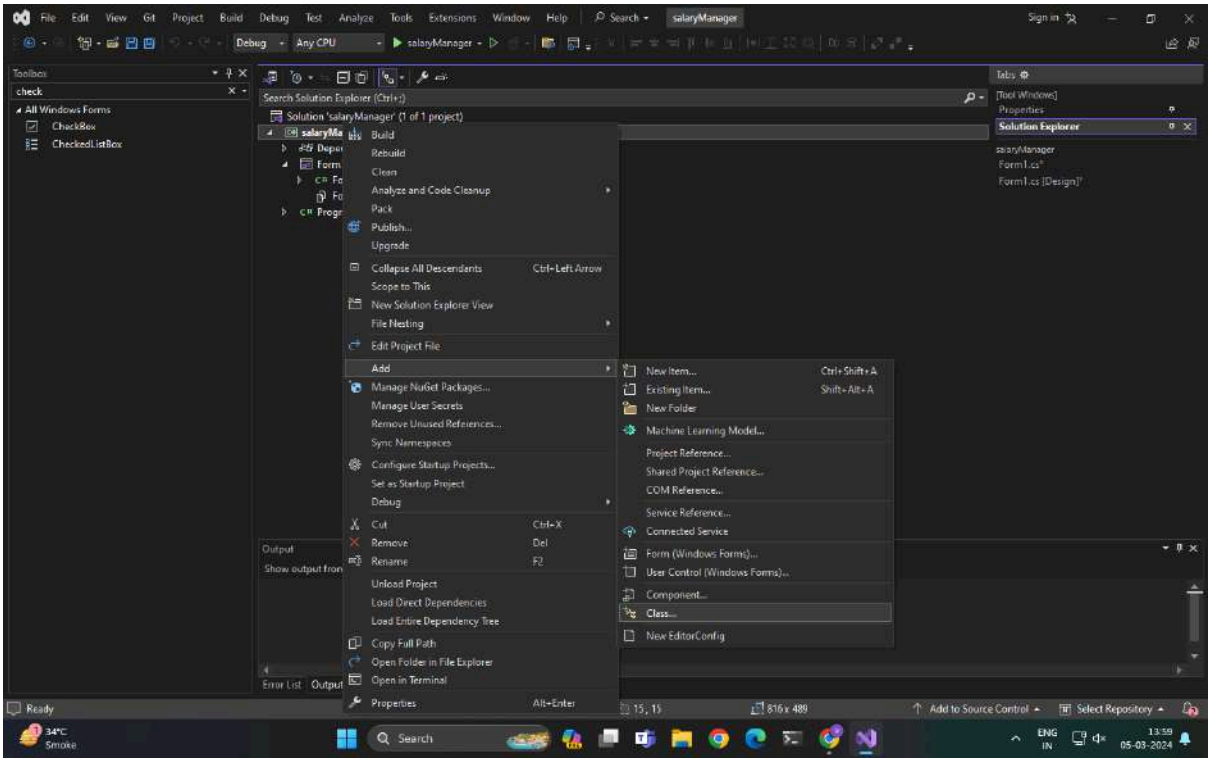
Lab2 (5-3-24)

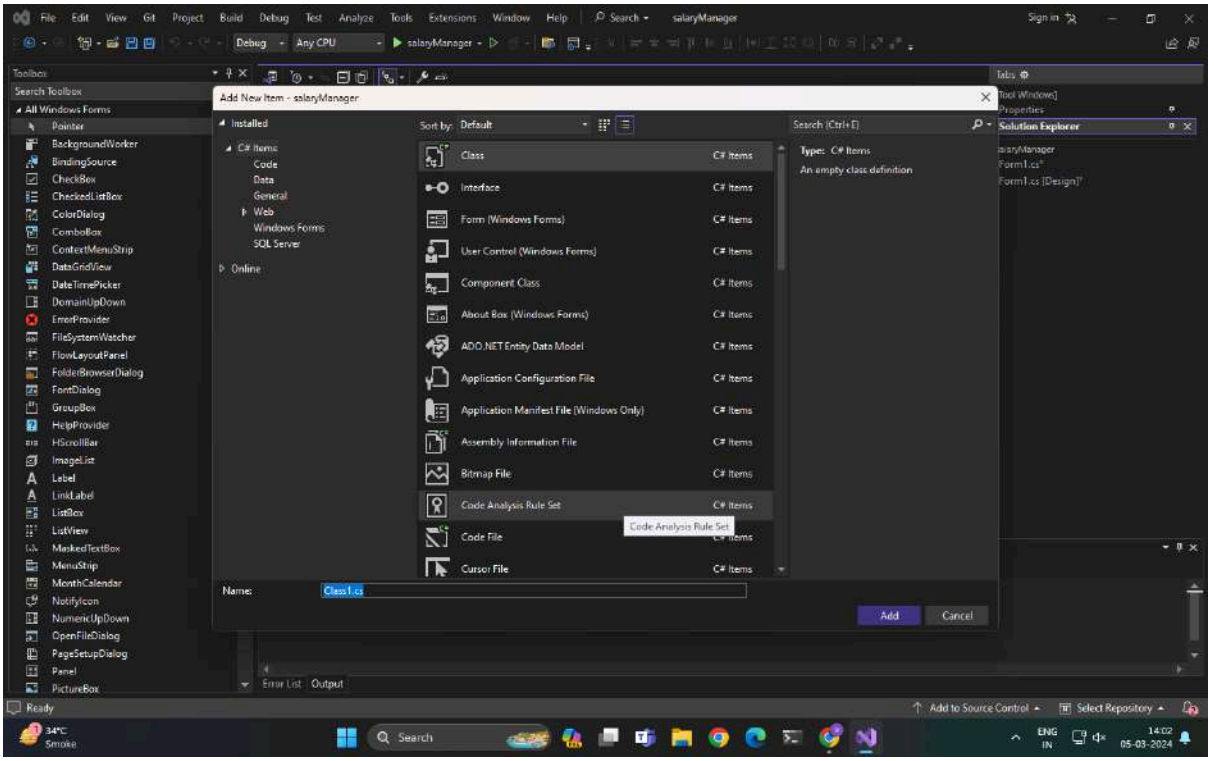
Abstract class(hiding)

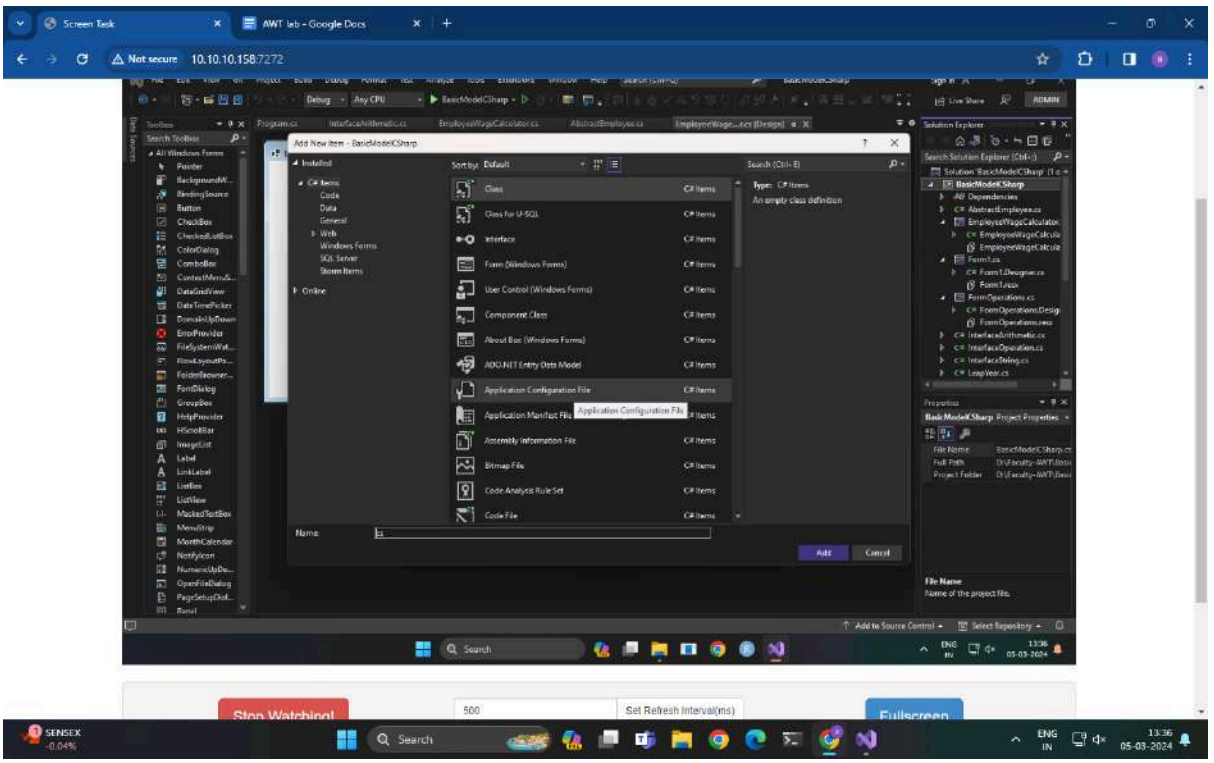
How to access the abstract class -> create subclass child of abstract class->define properties->create object of subclass to access

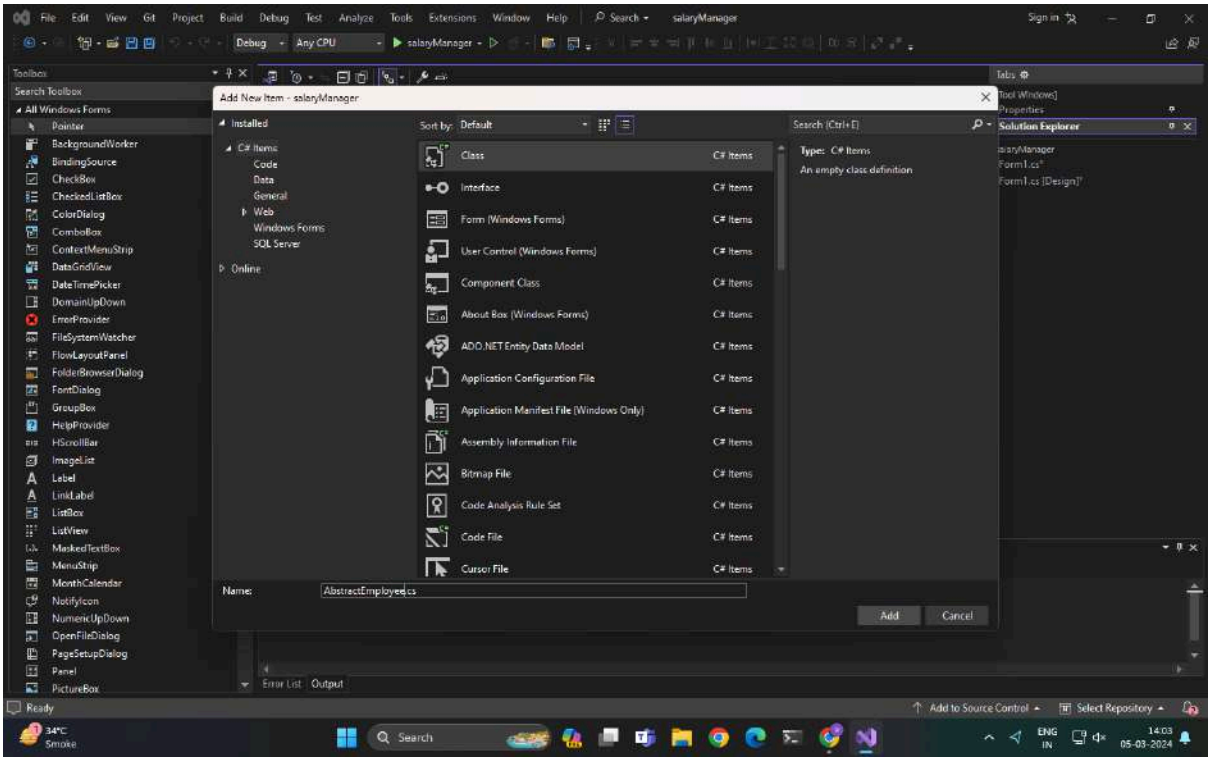


Add class right click on project ->add ->class




File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
Search
salaryManager
Sign in
Debug
Any CPU
salaryManager
Toolbox
Search Toolbox
All Windows Forms
Pointer
BackgroundWorker
BindingSource
CheckBox
CheckedListBox
ColorDialog
ComboBox
ContextMenuStrip
DataGridView
DateTimePicker
DomainUpDown
ErrorProvider
FileSystemWatcher
FlowLayoutPanel
FolderBrowserDialog
FontDialog
GroupBox
HelpProvider
HScrollBar
ImageList
Label
LinkLabel
ListBox
ListView
MaskedTextBox
MenuStrip
MonthCalendar
NotifyIcon
NumericUpDown
OpenFileDialog
PageSetupDialog
Panel
PictureBox
Add New Item - salaryManager
Installed
C# Items
Code
Data
General
Web
Windows Forms
SQL Server
Online
Sort by: Default
Search (Ctrl+E)
Class C# Items
Interface C# Items
Form (Windows Forms) C# Items
User Control (Windows Forms) C# Items
Component Class C# Items
About Box (Windows Forms) C# Items
ADO.NET Entity Data Model C# Items
Application Configuration File C# Items
Application Manifest File (Windows Only) C# Items
Assembly Information File C# Items
Bitmap File C# Items
Code Analysis Rule Set C# Items
Code File C# Items
Cursor File C# Items
Code Analysis Rule Set
Type: C# Items
An empty class definition
Name: Class1.cs
Add
Cancel
Tabs
Tool Windows]
Properties
Solution Explorer
salaryManager
Form1.cs*
Form1.cs [Design]*
Error List
Output
Ready
Add to Source Control
Select Repository
34°C
Smoke
Search
ENG
IN
14:02
05-03-2024


Screen Task
AWT lab - Google Docs
Not secure 10.10.10.158:7272
Add New Item - BasicModelCSharp
Class
Interface
Form (Windows Forms)
User Control (Windows Forms)
Component Class
About Box (Windows Forms)
ADO.NET Entity Data Model
Application Configuration File
Application Manifest File (Windows Only)
Assembly Information File
Bitmap File
Code Analysis Rule Set
Code File
Name:
Add
Cancel
Stop Watching!
500
Set Refresh Interval(ms)
Fullscreen
SENSEX
-0.04%
Search
ENG
IN
13:36
05-03-2024


File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
Search
salaryManager
Sign in
Debug
Any CPU
Add New Item - salaryManager
Installed
Sort by: Default
Search (Ctrl+E)
Class
Interface
Form (Windows Forms)
User Control (Windows Forms)
Component Class
About Box (Windows Forms)
ADO.NET Entity Data Model
Application Configuration File
Application Manifest File (Windows Only)
Assembly Information File
Bitmap File
Code Analysis Rule Set
Code File
Cursor File
Name:
AbstractEmployee.cs
Add
Cancel
Error List
Output
Ready
Add to Source Control
Select Repository
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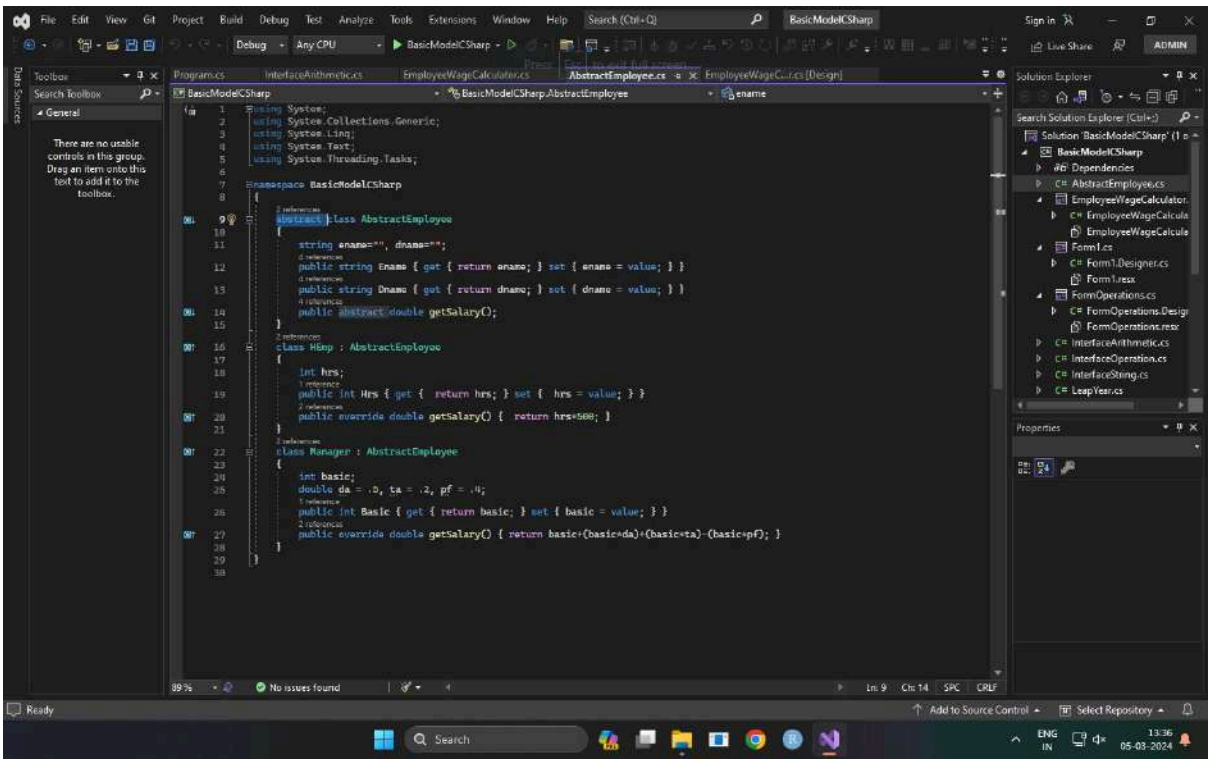
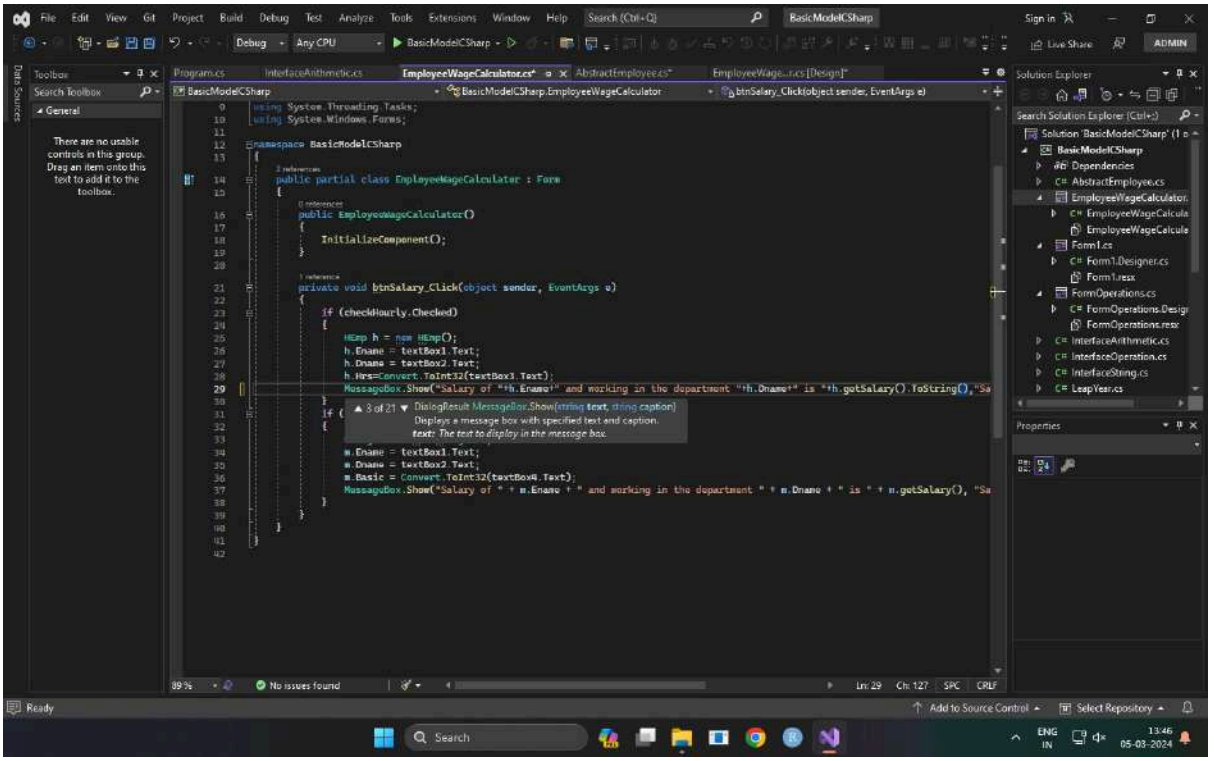
14:03
05-03-2024


File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
BasicModelCSharp
Program.cs
InterfaceArithmetic.cs
EmployeeWageCalculator.cs
AbstractEmployee.cs
Solution Explorer
Properties
Ready


File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
BasicModelCSharp
Program.cs
InterfaceArithmetic.cs
EmployeeWageCalculator.cs*
AbstractEmployee.cs*
Solution Explorer
Properties
Ready

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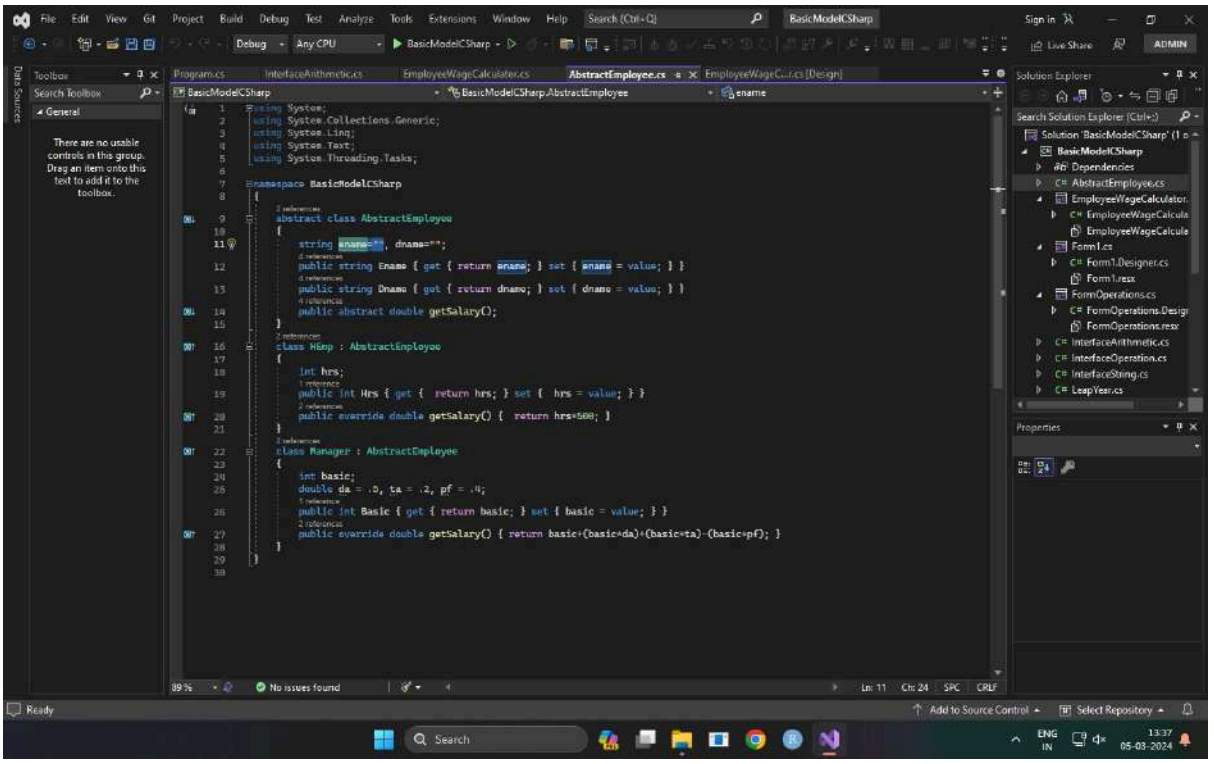
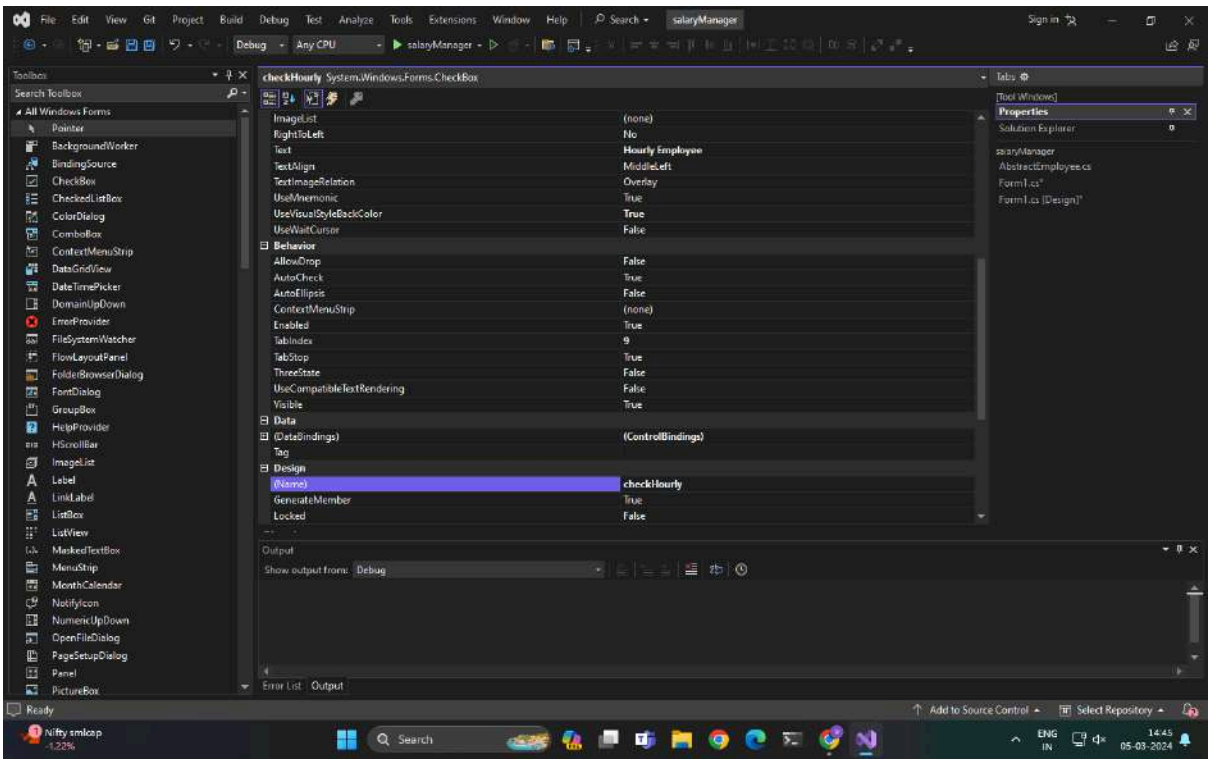

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
BasicModelCSharp
Sign in
Live Share
ADMIN
Debug
Any CPU
BasicModelCSharp
Toolbox
Search Toolbox
General
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
Program.cs
InterfaceArithmetic.cs
EmployeeWageCalculater.cs
AbstractEmployee.cs
EmployeeWageC...cs [Design]
BasicModelCSharp
BasicModelCSharp.AbstractEmployee
ename
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
namespace BasicModelCSharp
{
2 references
abstract class AbstractEmployee
{
string ename="", dname="";
0 references
public string Ename { get { return ename; } set { ename = value; } }
0 references
public string Dname { get { return dname; } set { dname = value; } }
0 references
public abstract double getSalary();
}
2 references
class HEmp : AbstractEmployee
{
int hrs;
1 reference
public int Hrs { get { return hrs; } set { hrs = value; } }
2 references
public override double getSalary() { return hrs*500; }
}
2 references
class Manager : AbstractEmployee
{
int basic;
double da = .5, ta = .2, pf = .4;
1 reference
public int Basic { get { return basic; } set { basic = value; } }
2 references
public override double getSalary() { return basic+(basic*da)+(basic*ta)-(basic*pf); }
}
}
89 %
No issues found
Ln: 11
Ch: 24
SPC
CRLF
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'BasicModelCSharp' (1 p
BasicModelCSharp
Dependencies
AbstractEmployee.cs
EmployeeWageCalculator.
EmployeeWageCalcula
EmployeeWageCalcula
Form1.cs
Form1.Designer.cs
Form1.resx
FormOperations.cs
FormOperations.Design
FormOperations.resx
InterfaceArithmetic.cs
InterfaceOperation.cs
InterfaceString.cs
LeapYear.cs
Properties
Ready
Add to Source Control
Select Repository
Search
ENG
IN
13:37
05-08-2024


File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
salaryManager
Debug
Any CPU
Toolbox
Search Toolbox
All Windows Forms
Pointer
BackgroundWorker
BindingSource
CheckBox
CheckedListBox
ColorDialog
ComboBox
ContextMenuStrip
DataGridView
DateTimePicker
DomainUpDown
ErrorProvider
FileSystemWatcher
FlowLayoutPanel
FolderBrowserDialog
FontDialog
GroupBox
HelpProvider
HScrollBar
ImageList
Label
LinkLabel
ListBox
ListView
MaskedTextBox
MenuStrip
MonthCalendar
NotifyIcon
NumericUpDown
OpenFileDialog
PageSetupDialog
Panel
PictureBox
checkHourly System.Windows.Forms.CheckBox
ImageList (none)
RightToLeft No
Text Hourly Employee
TextAlign MiddleLeft
TextImageRelation Overlay
UseMnemonic True
UseVisualStyleBackColor True
UseWaitCursor False
Behavior
AllowDrop False
AutoCheck True
AutoEllipsis False
ContextMenuStrip (none)
Enabled True
TabIndex 9
TabStop True
ThreeState False
UseCompatibleTextRendering False
Visible True
Data
(DataBindings) (ControlBindings)
Tag
Design
(Name) checkHourly
GenerateMember True
Locked False
Tabs
Properties
Solution Explorer
salaryManager
AbstractEmployee.cs
Form1.cs*
Form1.cs [Design]*
Output
Show output from: Debug
Error List Output
Ready
Add to Source Control
Select Repository
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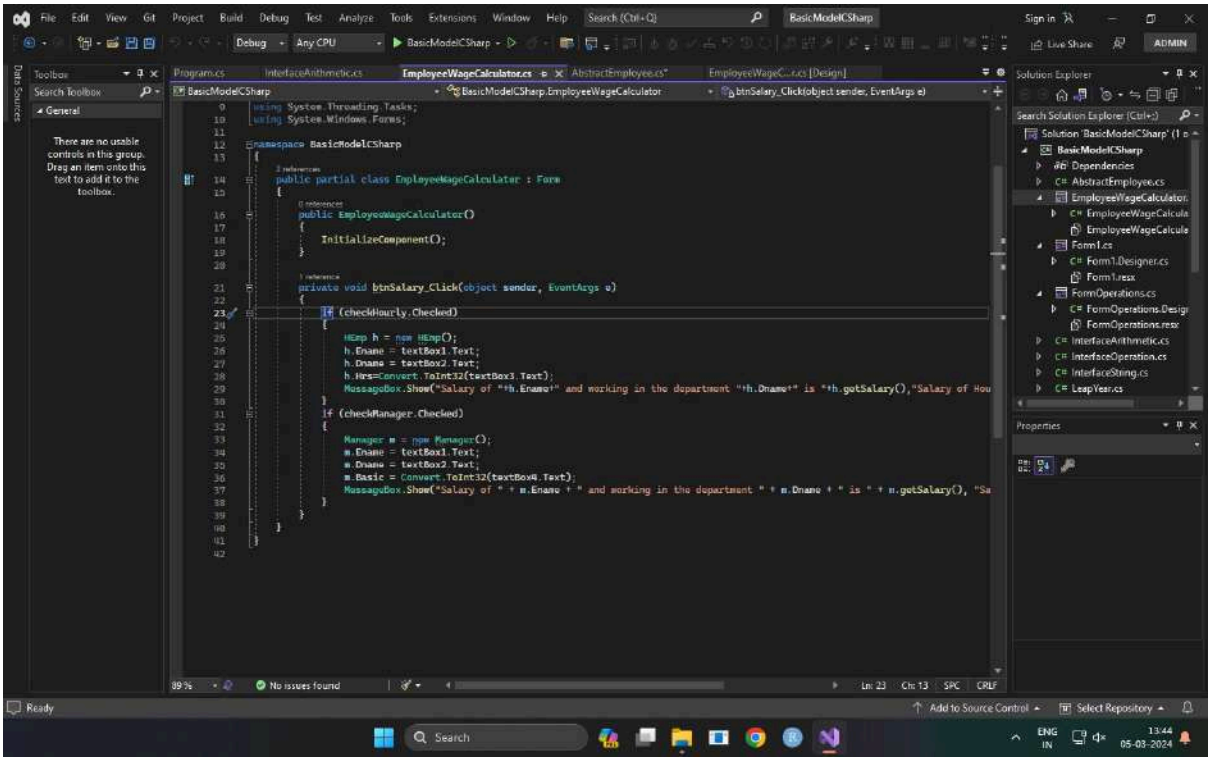
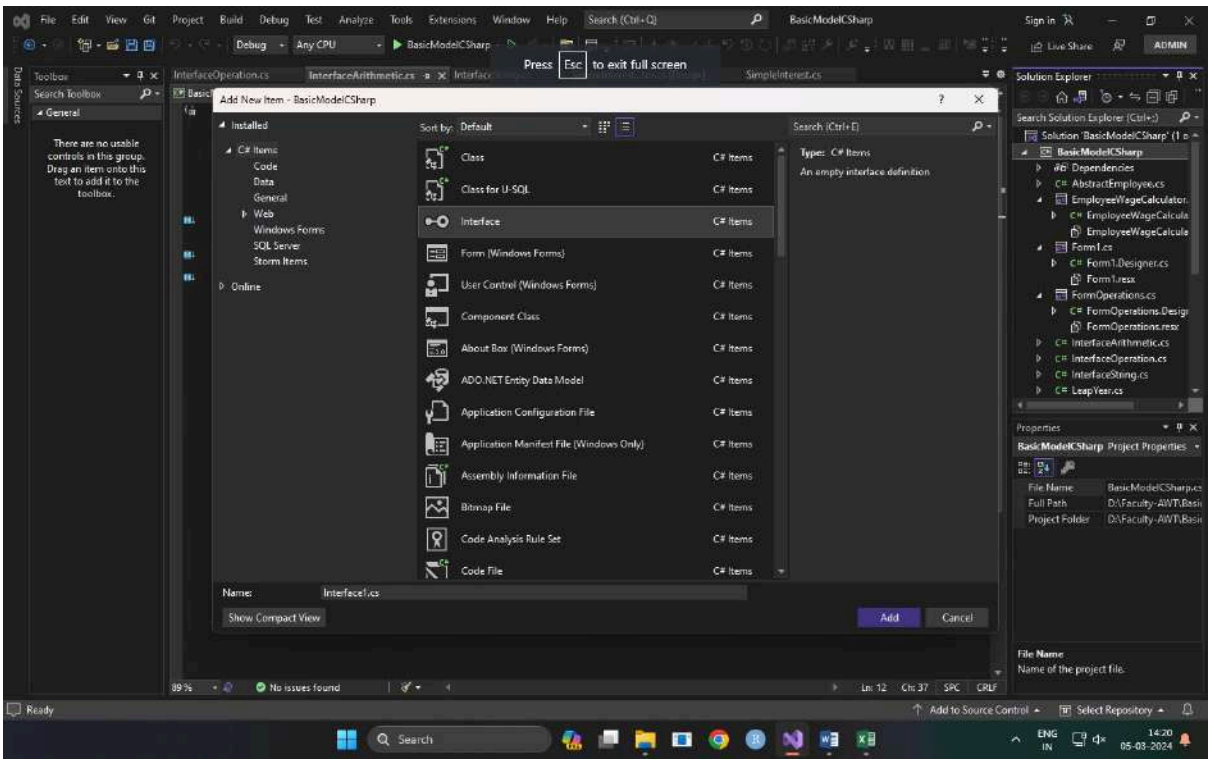
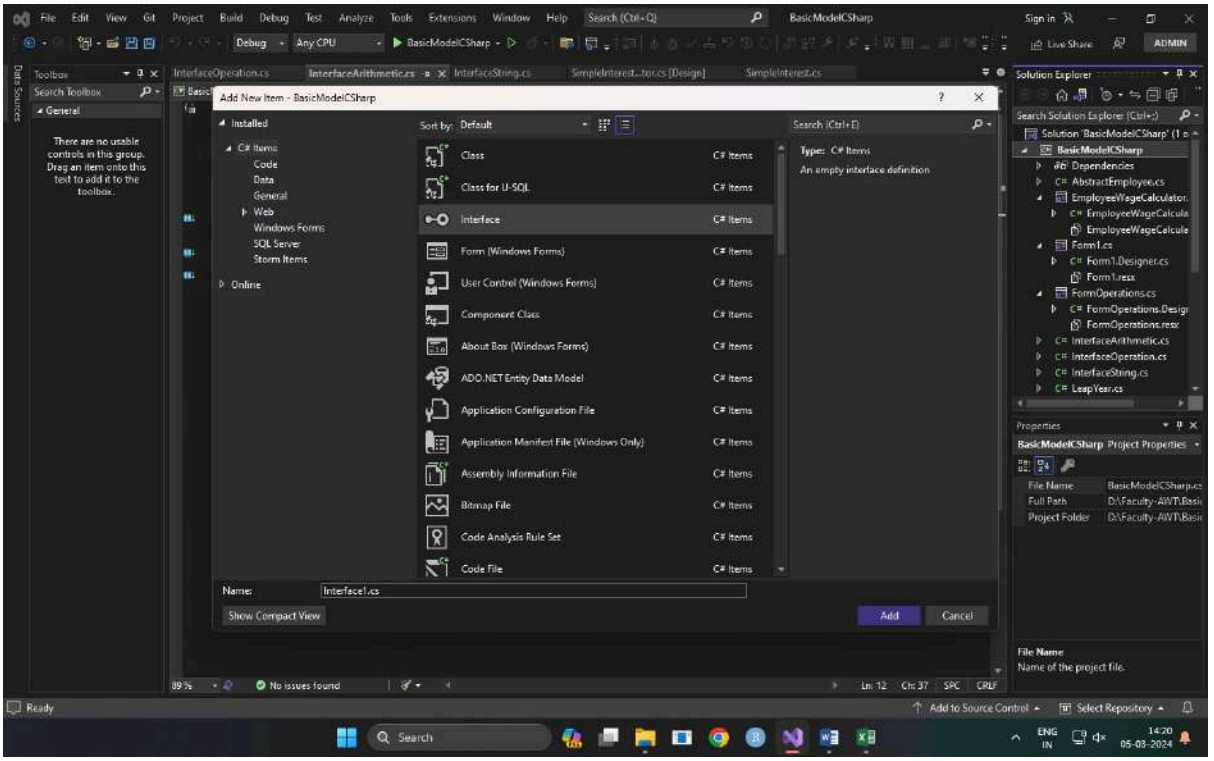
05-03-2024


File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
BasicModelCSharp
Debug
Any CPU
BasicModelCSharp
Live Share
ADMIN
Toolbox
Search Toolbox
General
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
Program.cs
InterfaceArithmetic.cs
EmployeeWageCalculator.cs
AbstractEmployee.cs*
EmployeeWageC...r.cs [Design]
BasicModelCSharp
BasicModelCSharp.EmployeeWageCalculator
btnSalary_Click(object sender, EventArgs e)
using System.Threading.Tasks;
using System.Windows.Forms;
namespace BasicModelCSharp
{
2 references
public partial class EmployeeWageCalculator : Form
{
0 references
public EmployeeWageCalculator()
{
InitializeComponent();
}
1 reference
private void btnSalary_Click(object sender, EventArgs e)
{
if (checkHourly.Checked)
{
HEmp h = new HEmp();
h.Ename = textBox1.Text;
h.Dname = textBox2.Text;
h.Hrs=Convert.ToInt32(textBox3.Text);
MessageBox.Show("Salary of "+h.Ename+" and working in the department "+h.Dname+" is "+h.getSalary(),"Salary of Hou
}
if (checkManager.Checked)
{
Manager m = new Manager();
m.Ename = textBox1.Text;
m.Dname = textBox2.Text;
m.Basic = Convert.ToInt32(textBox4.Text);
MessageBox.Show("Salary of " + m.Ename + " and working in the department " + m.Dname + " is " + m.getSalary(), "Sa
}
}
}
}
89 %
No issues found
Ln: 23 Ch: 13 SPC CRLF
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'BasicModelCSharp' (1 p
BasicModelCSharp
Dependencies
AbstractEmployee.cs
EmployeeWageCalculator.
EmployeeWageCalcula
EmployeeWageCalcula
Form1.cs
Form1.Designer.cs
Form1.resx
FormOperations.cs
FormOperations.Design
FormOperations.resx
InterfaceArithmetic.cs
InterfaceOperation.cs
InterfaceString.cs
LeapYear.cs
Properties
Ready
Add to Source Control
Select Repository
Search
ENG IN
13:44
05-03-2024


Press Esc to exit full screen
Add New Item - BasicModelCSharp
Installed
C# Items
Code
Data
General
Web
Windows Forms
SQL Server
Storm Items
Online
Sort by: Default
Class
Class for U-SQL
Interface
Form (Windows Forms)
User Control (Windows Forms)
Component Class
About Box (Windows Forms)
ADO.NET Entity Data Model
Application Configuration File
Application Manifest File (Windows Only)
Assembly Information File
Bitmap File
Code Analysis Rule Set
Code File
Types: C# Items
An empty interface definition
Name: Interface1.cs
Show Compact View
Add
Cancel


Add New Item - BasicModelCSharp
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C# Items
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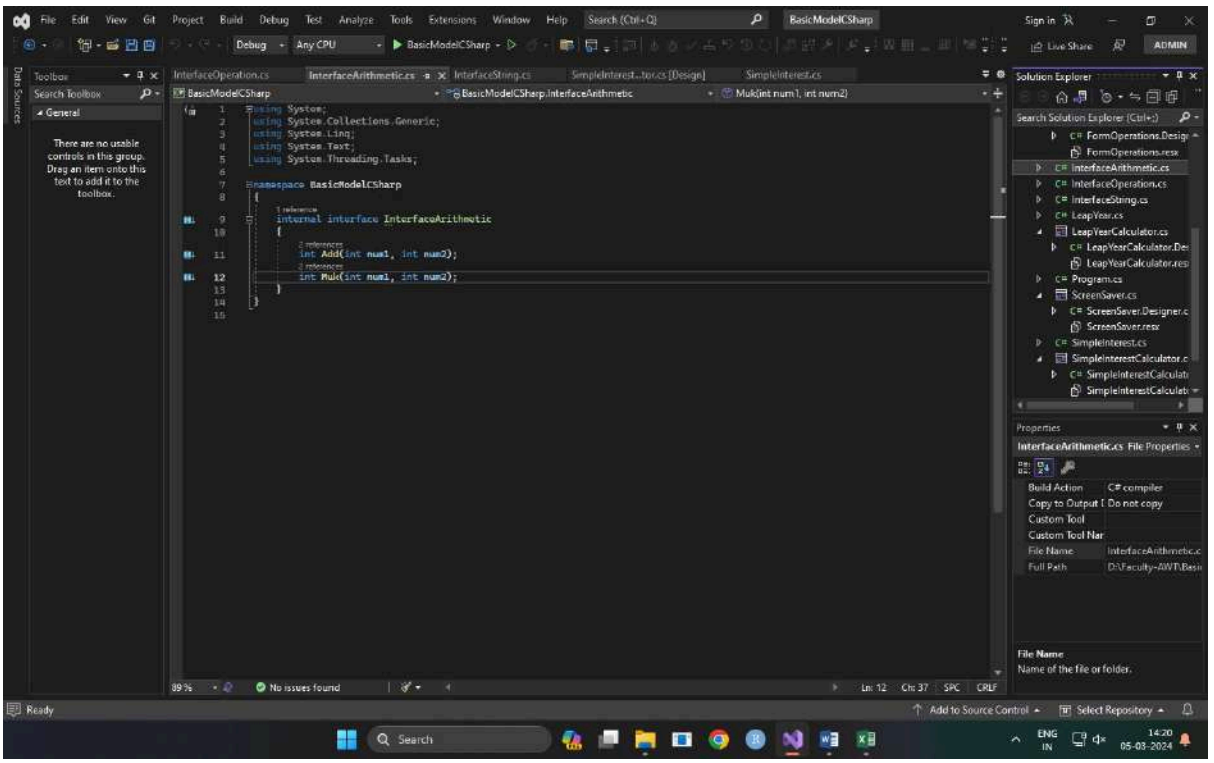
Data
General
Web
Windows Forms
SQL Server
Storm Items
Online
Sort by: Default
Class
Class for U-SQL
Interface
Form (Windows Forms)
User Control (Windows Forms)
Component Class
About Box (Windows Forms)
ADO.NET Entity Data Model
Application Configuration File
Application Manifest File (Windows Only)
Assembly Information File
Bitmap File
Code Analysis Rule Set
Code File
Types: C# Items
An empty interface definition
Name: Interface1.cs
Show Compact View
Add
Cancel


File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
BasicModelCSharp
Sign in
Live Share
ADMIN
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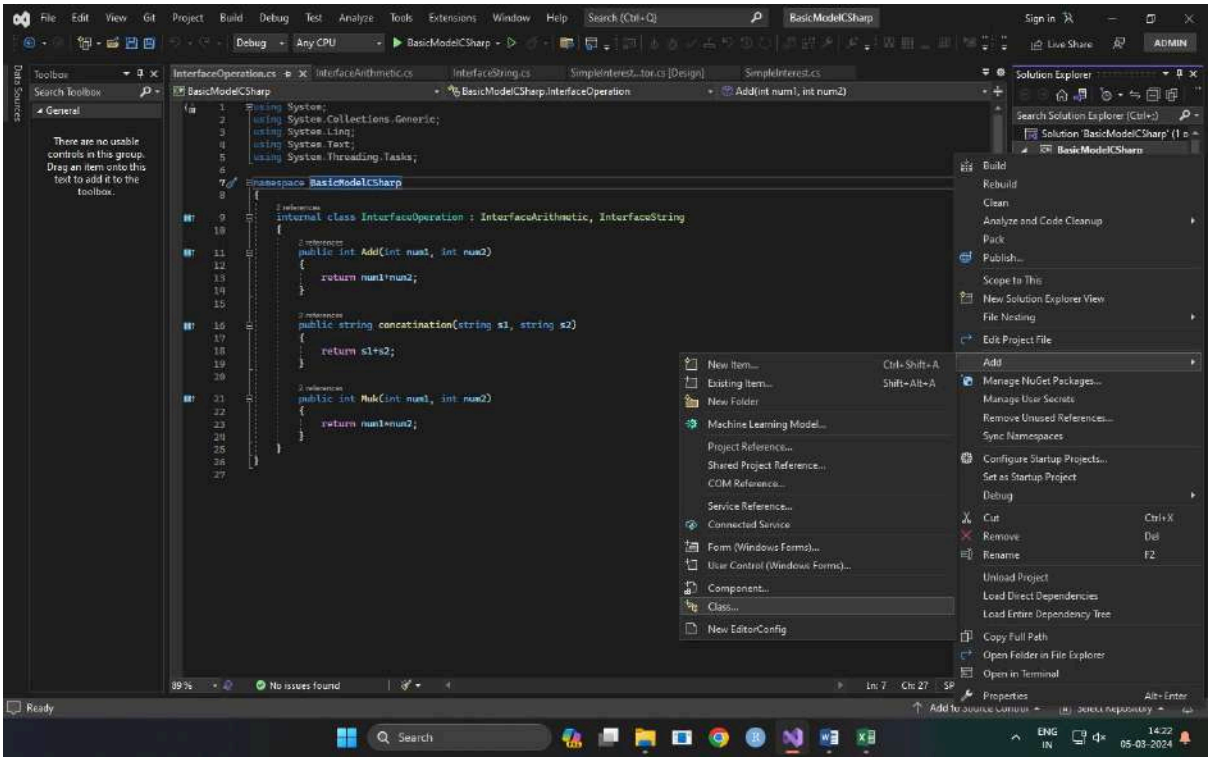
Any CPU
BasicModelCSharp
Toolbox
Search Toolbox
General
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
InterfaceOperation.cs
InterfaceArithmetic.cs
InterfaceString.cs
SimpleInterest...tor.cs [Design]
SimpleInterest.cs
BasicModelCSharp
BasicModelCSharp.InterfaceArithmetic
Muk(int num1, int num2)
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
namespace BasicModelCSharp
{
1 reference
internal interface InterfaceArithmetic
{
2 references
int Add(int num1, int num2);
2 references
int Muk(int num1, int num2);
}
}
Solution Explorer
Search Solution Explorer (Ctrl+;)
FormOperations.Design
FormOperations.resx
InterfaceArithmetic.cs
InterfaceOperation.cs
InterfaceString.cs
LeapYear.cs
LeapYearCalculator.cs
LeapYearCalculator.De
LeapYearCalculator.res
Program.cs
ScreenSaver.cs
ScreenSaver.Designer.c
ScreenSaver.resx
SimpleInterest.cs
SimpleInterestCalculator.c
SimpleInterestCalculat
SimpleInterestCalculat
Properties
InterfaceArithmetic.cs File Properties
Build Action
C# compiler
Copy to Output I
Do not copy
Custom Tool
Custom Tool Nar
File Name
InterfaceArithmetic.c
Full Path
D:\Faculty-AWT\Basi
File Name
Name of the file or folder.
99 %
No issues found
Ln: 12
Ch: 37
SPC
CRLF
Ready
Add to Source Control
Select Repository
Search
ENG
IN
14:20
05-03-2024


File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
BasicModelCSharp
Sign in
Live Share
ADMIN
Debug
Any CPU
BasicModelCSharp
Toolbox
Search Toolbox
General
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
InterfaceOperation.cs
InterfaceArithmetic.cs
InterfaceString.cs
SimpleInterest...tor.cs [Design]
SimpleInterest.cs
BasicModelCSharp
BasicModelCSharp.InterfaceOperation
Add(int num1, int num2)
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
namespace BasicModelCSharp
{
2 references
internal class InterfaceOperation : InterfaceArithmetic, InterfaceString
{
2 references
public int Add(int num1, int num2)
{
return num1+num2;
}
2 references
public string concatination(string s1, string s2)
{
return s1+s2;
}
2 references
public int Muk(int num1, int num2)
{
return num1*num2;
}
}
}
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'BasicModelCSharp' (1
BasicModelCSharp
Build
Rebuild
Clean
Analyze and Code Cleanup
Pack
Publish...
Scope to This
New Solution Explorer View
File Nesting
Edit Project File
Add
Manage NuGet Packages...
Manage User Secrets
Remove Unused References...
Sync Namespaces
Configure Startup Projects...
Set as Startup Project
Debug
Cut
Ctrl+X
Remove
Del
Rename
F2
Unload Project
Load Direct Dependencies
Load Entire Dependency Tree
Copy Full Path
Open Folder in File Explorer
Open in Terminal
Properties
Alt+Enter
New Item...
Ctrl+Shift+A
Existing Item...
Shift+Alt+A
New Folder
Machine Learning Model...
Project Reference...
Shared Project Reference...
COM Reference...
Service Reference...
Connected Service
Form (Windows Forms)...
User Control (Windows Forms)...
Component...
Class...
New EditorConfig
99 %
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Ch: 27
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Ready
Search
ENG
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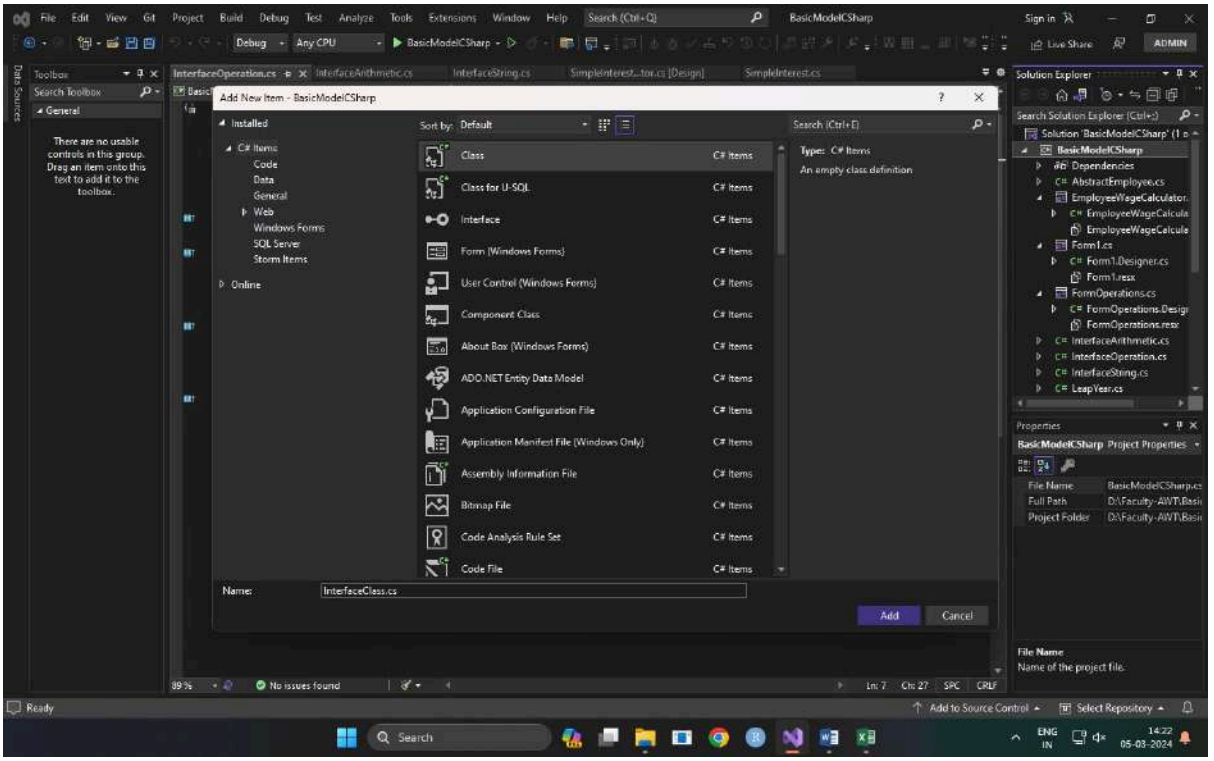
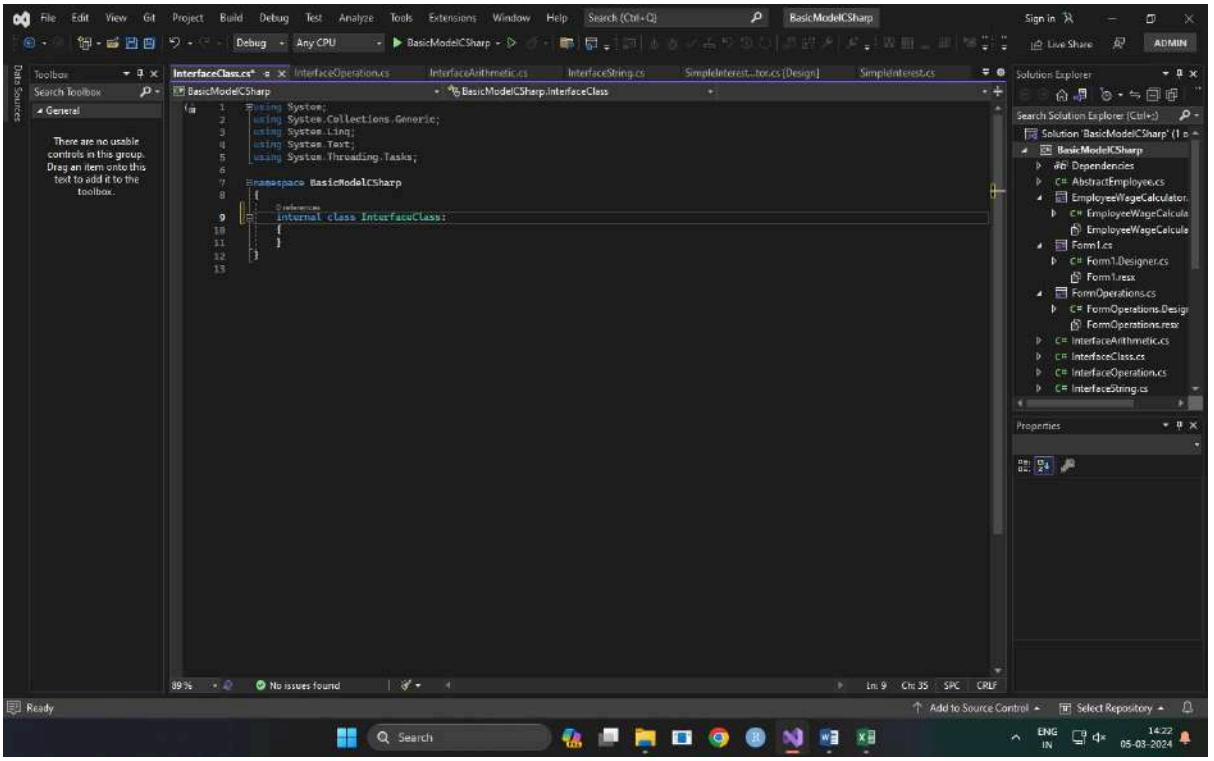
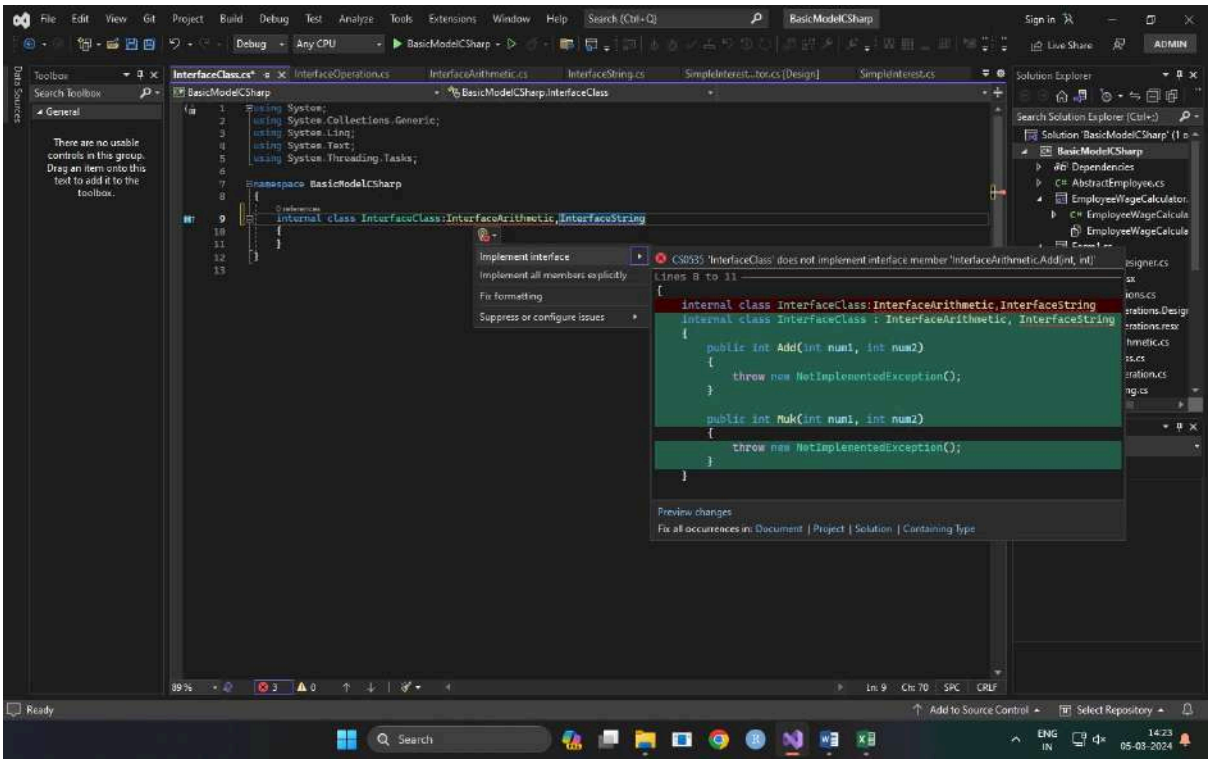
05-03-2024

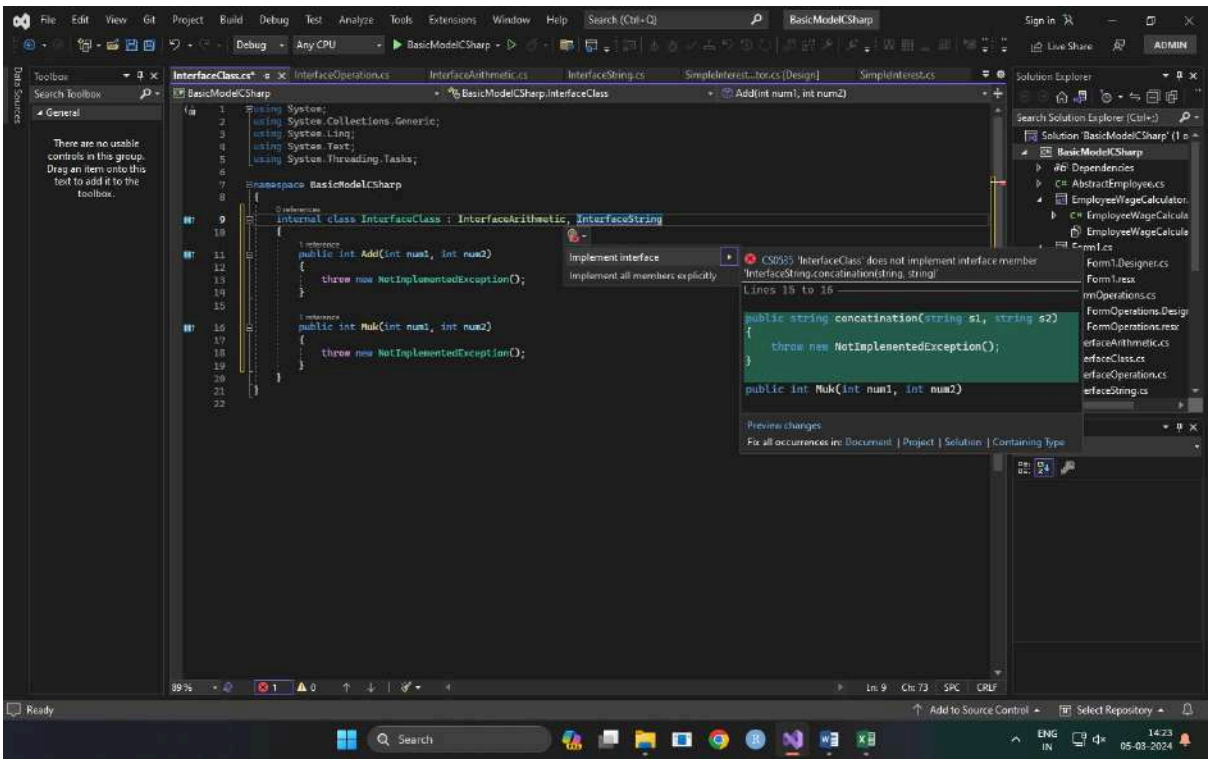

Add New Item - BasicModelCSharp
Installed
C# Items
Code
Data
General
Web
Windows Forms
SQL Server
Storm Items
Online
Sort by: Default
Class
Class for U-SQL
Interface
Form (Windows Forms)
User Control (Windows Forms)
Component Class
About Box (Windows Forms)
ADO.NET Entity Data Model
Application Configuration File
Application Manifest File (Windows Only)
Assembly Information File
Bitmap File
Code Analysis Rule Set
Code File
Types: C# Items
An empty class definition
Name: InterfaceClass.cs
Add
Cancel

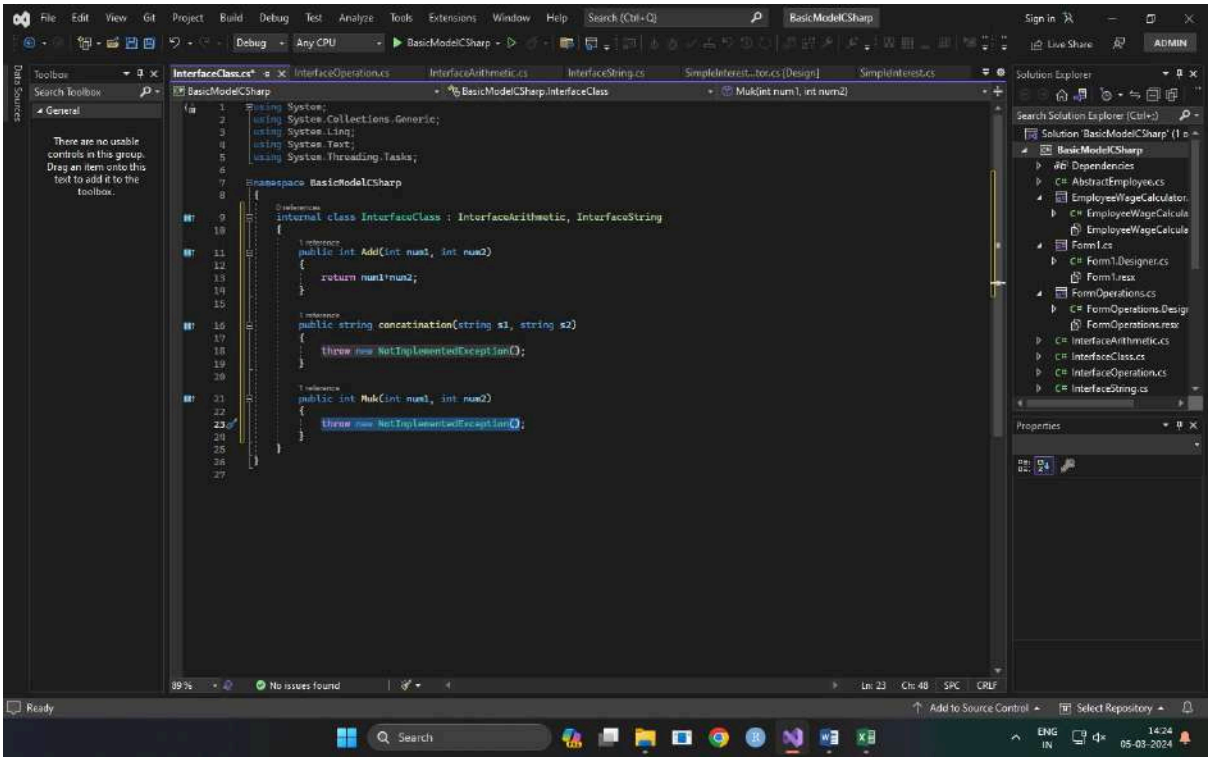

InterfaceClass.cs*
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
namespace BasicModelCSharp
{
internal class InterfaceClass:
{
}
}

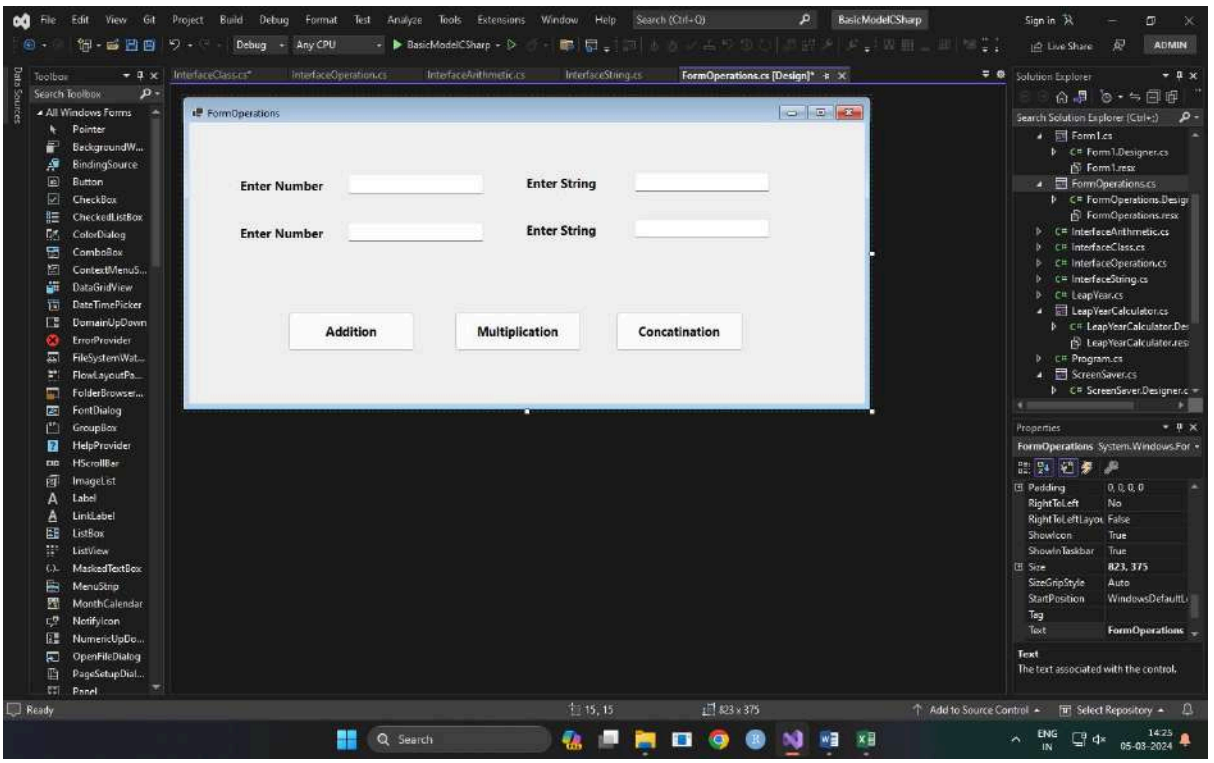
in

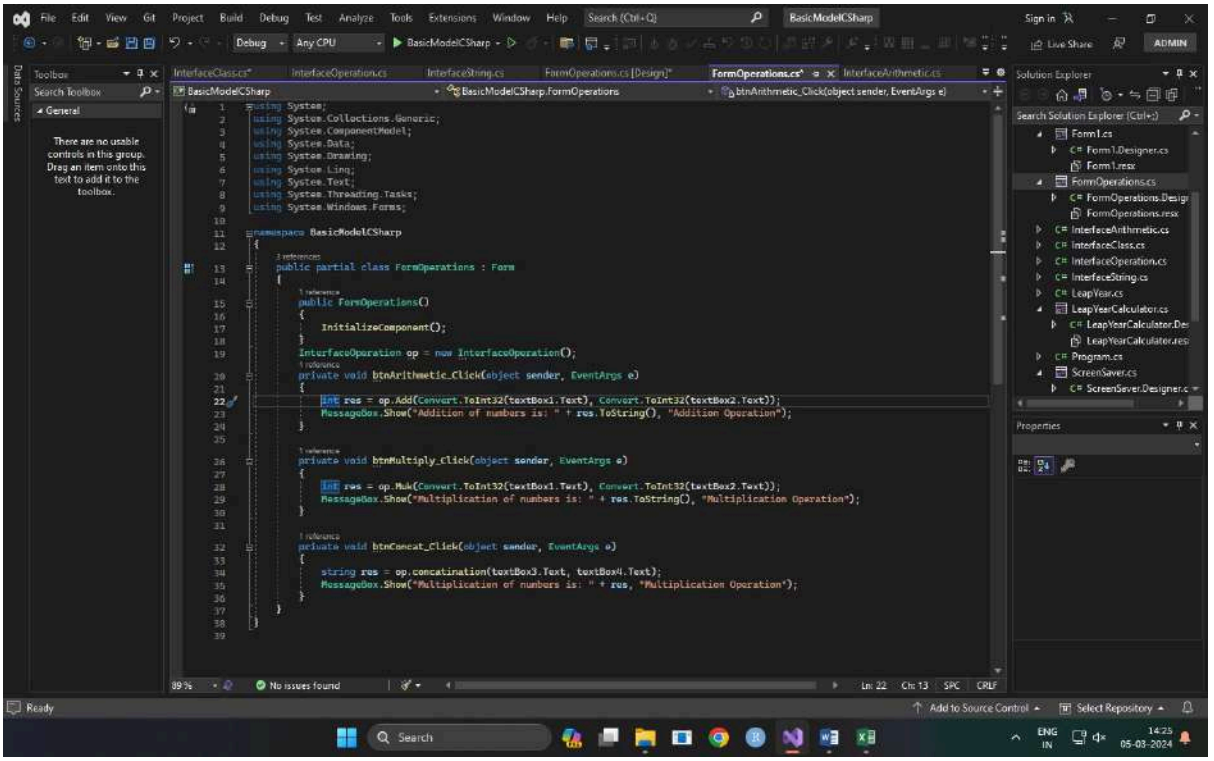


Implement method of interface

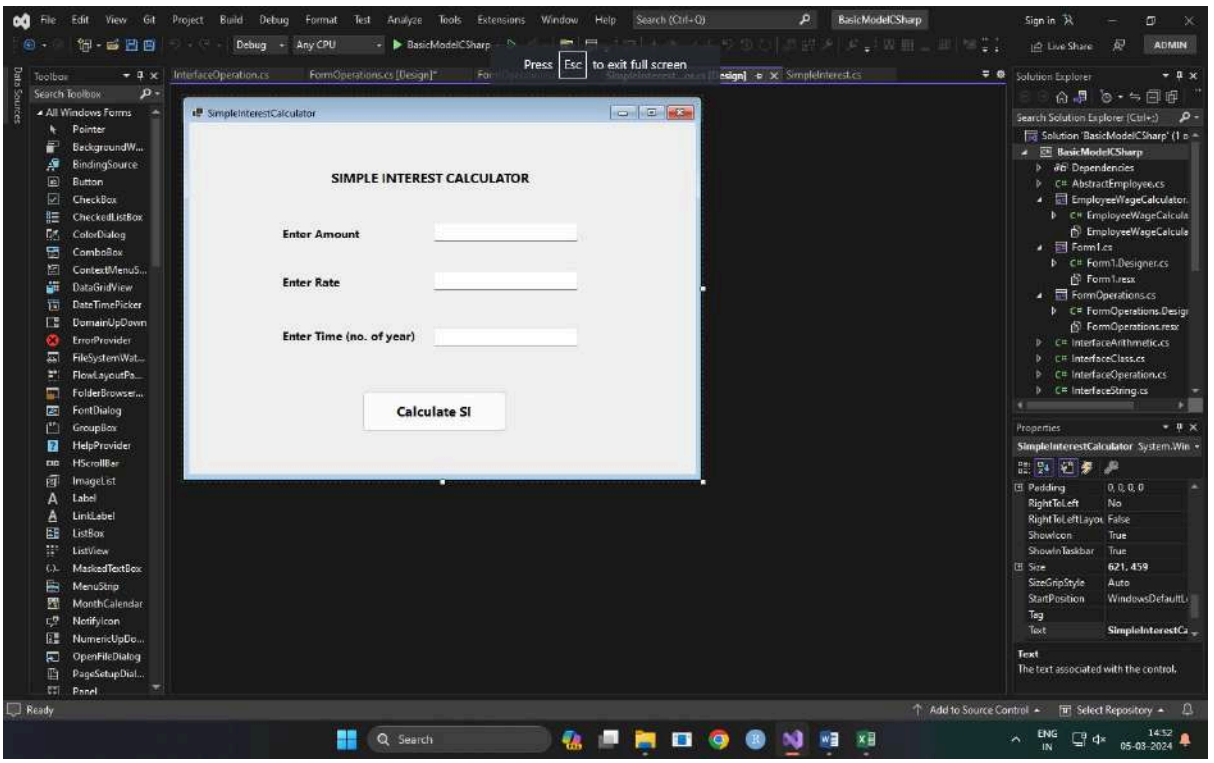

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
BasicModelCSharp
Sign in
Live Share
ADMIN
Debug
Any CPU
BasicModelCSharp
Toolbox
Search Toolbox
General
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
InterfaceClass.cs*
InterfaceOperation.cs
InterfaceArithmetic.cs
InterfaceString.cs
SimpleInterest...tor.cs [Design]
SimpleInterest.cs
BasicModelCSharp.InterfaceClass
Add(int num1, int num2)
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'BasicModelCSharp' (1 p
BasicModelCSharp
Dependencies
AbstractEmployee.cs
EmployeeWageCalculator.
EmployeeWageCalcula
EmployeeWageCalcula
Form1.cs
Form1.Designer.cs
Form1.resx
rmOperations.cs
FormOperations.Desig
FormOperations.resx
erfaceArithmetic.cs
erfaceClass.cs
erfaceOperation.cs
erfaceString.cs
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
namespace BasicModelCSharp
{
0 references
internal class InterfaceClass : InterfaceArithmetic, InterfaceString
{
1 reference
public int Add(int num1, int num2)
{
throw new NotImplementedException();
}
1 reference
public int Muk(int num1, int num2)
{
throw new NotImplementedException();
}
}
}
Implement interface
Implement all members explicitly
CS0535 'InterfaceClass' does not implement interface member 'InterfaceString.concatination(string, string)'
Lines 15 to 16
public string concatination(string s1, string s2)
{
throw new NotImplementedException();
}
public int Muk(int num1, int num2)
Preview changes
Fix all occurrences in: Document | Project | Solution | Containing Type
99 %
1
0
Ln: 9
Ch: 73
SPC
CRLF
Ready
Add to Source Control
Select Repository
Search
ENG
IN
14:23
05-03-2024


File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
BasicModelCSharp
Sign in
Live Share
ADMIN
Debug
Any CPU
BasicModelCSharp
Toolbox
Search Toolbox
General
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
InterfaceClass.cs*
InterfaceOperation.cs
InterfaceArithmetic.cs
InterfaceString.cs
SimpleInterest...tor.cs [Design]
SimpleInterest.cs
BasicModelCSharp.InterfaceClass
Muk(int num1, int num2)
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'BasicModelCSharp' (1 p
BasicModelCSharp
Dependencies
AbstractEmployee.cs
EmployeeWageCalculator.
EmployeeWageCalcula
EmployeeWageCalcula
Form1.cs
Form1.Designer.cs
Form1.resx
FormOperations.cs
FormOperations.Desig
FormOperations.resx
InterfaceArithmetic.cs
InterfaceClass.cs
InterfaceOperation.cs
InterfaceString.cs
Properties
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
namespace BasicModelCSharp
{
0 references
internal class InterfaceClass : InterfaceArithmetic, InterfaceString
{
1 reference
public int Add(int num1, int num2)
{
return num1*num2;
}
1 reference
public string concatination(string s1, string s2)
{
throw new NotImplementedException();
}
1 reference
public int Muk(int num1, int num2)
{
throw new NotImplementedException();
}
}
}
99 %
No issues found
Ln: 23
Ch: 48
SPC
CRLF
Ready
Add to Source Control
Select Repository
Search
ENG
IN
14:24
05-03-2024


FormOperations
Enter Number
Enter String
Enter Number
Enter String
Addition
Multiplication
Concatination


namespace BasicModelCSharp
public partial class FormOperations : Form
public FormOperations()
InitializeComponent();
InterfaceOperation op = new InterfaceOperation();
private void btnArithmetic_Click(object sender, EventArgs e)
int res = op.Add(Convert.ToInt32(textBox1.Text), Convert.ToInt32(textBox2.Text));
MessageBox.Show("Addition of numbers is: " + res.ToString(), "Addition Operation");
private void btnMultiply_Click(object sender, EventArgs e)
int res = op.Mul(Convert.ToInt32(textBox1.Text), Convert.ToInt32(textBox2.Text));
MessageBox.Show("Multiplication of numbers is: " + res.ToString(), "Multiplication Operation");
private void btnConcat_Click(object sender, EventArgs e)
string res = op.concatination(textBox3.Text, textBox4.Text);
MessageBox.Show("Multiplication of numbers is: " + res, "Multiplication Operation");

form-> 3)



—---------- 19-3-24 —-----ad rotator

```
<?xml version="1.0" encoding="utf-8" ?>
<Advertisements>
	<Ad>
		<ImageUrl>/Image/facebook.png</ImageUrl>
		<NavigateUrl>https://www.facebook.com/</NavigateUrl>
		<AlternateText>Facebook</AlternateText>
		<Impression>30</Impression>
		<Keyword>BVIMIT</Keyword>
	</Ad>
	<Ad>
		<ImageUrl>/Image/Flipkart.png</ImageUrl>
		<NavigateUrl>https://www.flipkart.com/</NavigateUrl>
		<AlternateText>flipkart</AlternateText>
		<Impression>20</Impression>
		<Keyword>BVIMIT</Keyword>
	</Ad>
	<Ad>
		<ImageUrl>/Image/Google.png</ImageUrl>
		<NavigateUrl>https://www.google.com/</NavigateUrl>
		<AlternateText>Google</AlternateText>
		<Impression>30</Impression>
		<Keyword>BVIMIT</Keyword>
	</Ad>
	<Ad>
		<ImageUrl>/Image/Image.png</ImageUrl>
```

```
            <NavigateUrl>https://www.facebook.com/</NavigateUrl>
            <AlternateText>Amazon</AlternateText>
            <Impression>20</Impression>
            <Keyword>BVIMIT</Keyword>
        </Ad>
</Advertisements>
```

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="ADLoader.aspx.cs" Inherits="life_cycle.ADLoader" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
   <title></title>
</head>
<body>
   <form id="form1" runat="server">
      <div>
         <asp:AdRotator ID="AdRotator1" AdvertisementFile="~/XMLFile1.xml"
runat="server" />
      </div>
   </form>
</body>
</html>
```

pageLifecycle

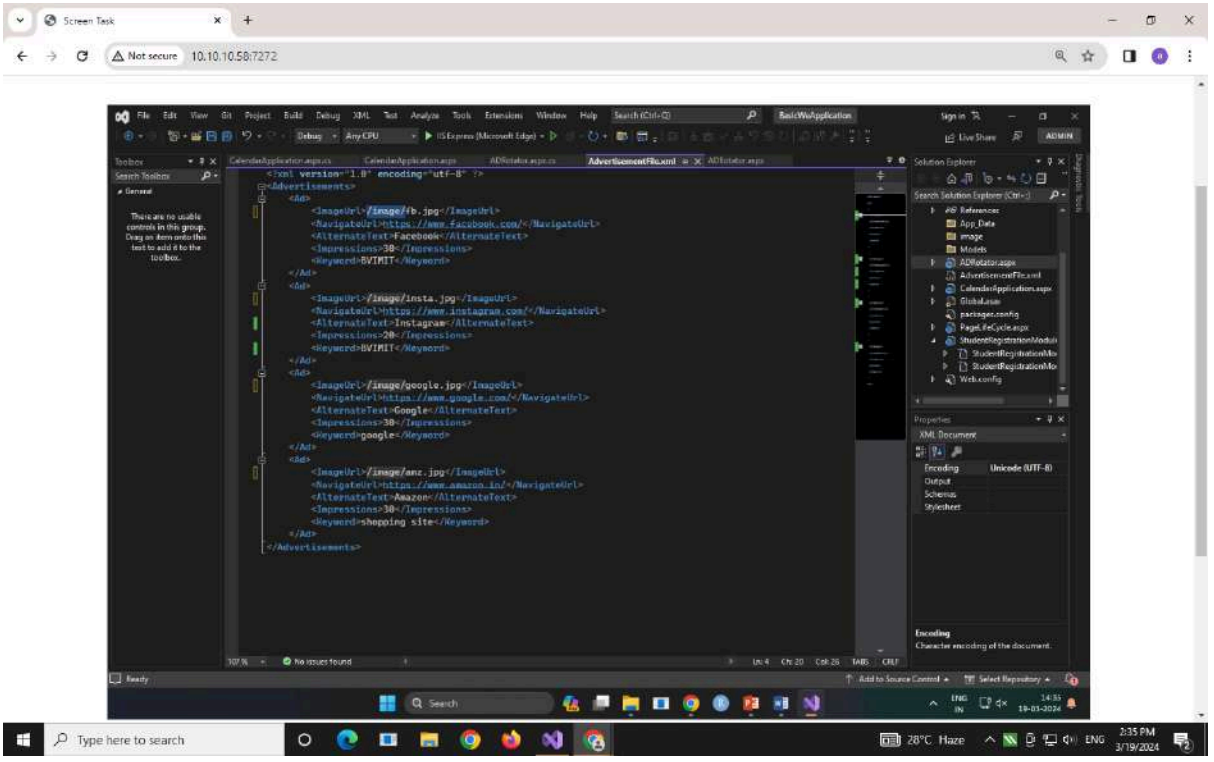
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace life_cycle
{
   public partial class page_life_cycle : System.Web.UI.Page
   {
      protected void Page_Load(object sender, EventArgs e)
      {
         Label1.Text += "<br/>" + "Page Load....";

      }
      protected void Button1_Click(object sender, EventArgs e)
      {
         Label1.Text += "<br/>" + "Button Click event...";

      }
```

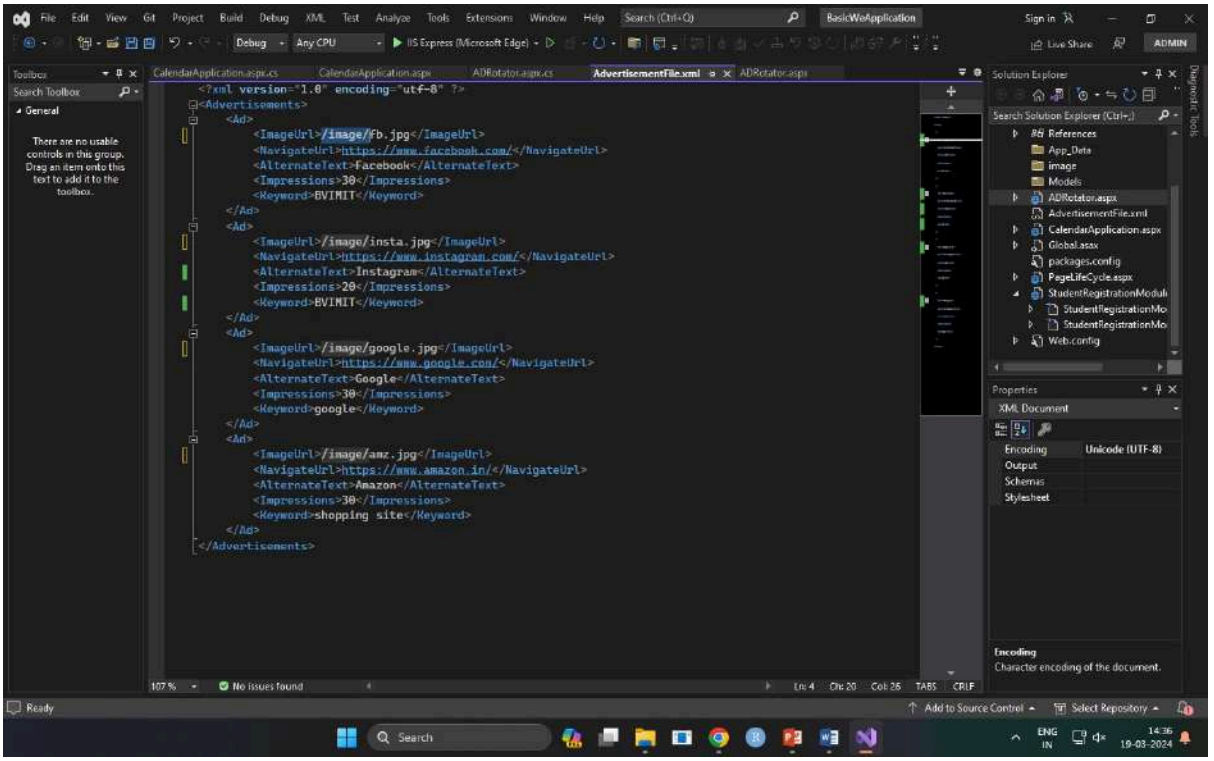
```
        protected void Page_Init(object sender, EventArgs e)
        {
            Label1.Text += "<br/>" + "Page init ...";
        }
        protected void Page_InitComplete(object sender, EventArgs e)
        {

            Label1.Text += "<br/>" + "Page init Complete...";
        }
        protected override void OnPreLoad( EventArgs e)
        {
            Label1.Text += "<br/>" + "On pre load..";
        }
        protected  void Page_LoadComplete(object sender, EventArgs e)
        {
            Label1.Text += "<br/>" + "Page init complete..";
        }
        protected override void OnPreRender(EventArgs e)
        {
            Label1.Text += "<br/>" + "On pre load..";
        }
        protected void Page_Unoad(object sender, EventArgs e)
        {
            Label1.Text += "<br/>" + "Page unload..";
        }




    }

}
```

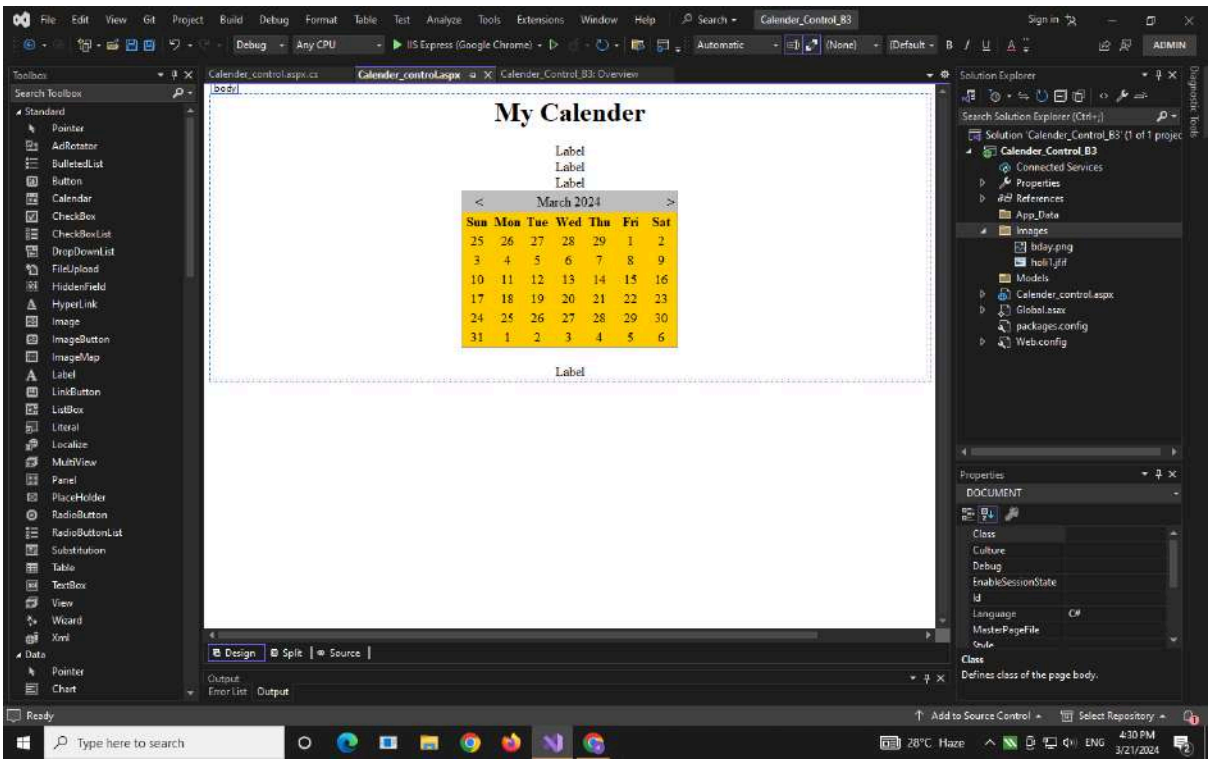
Page Life cycle

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="page_life_cycle.aspx.cs" Inherits="life_cycle.page_life_cycle" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
        </div>
```

```
        <p>
          <asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>
         </p>
        <p>
          <asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Button" />
        </p>
    </form>
</body>
</html>
```


Screen Task
Not secure
10.10.10.58:7272
BasicWeApplication
ADMIN
AdvertisementFile.xml
<?xml version="1.0" encoding="utf-8" ?>
<Advertisements>
<Ad>
<ImageUrl>/image/fb.jpg</ImageUrl>
<NavigateUrl>https://www.facebook.com/</NavigateUrl>
<AlternateText>Facebook</AlternateText>
<Impressions>30</Impressions>
<Keyword>BVIMIT</Keyword>
</Ad>
<Ad>
<ImageUrl>/image/insta.jpg</ImageUrl>
<NavigateUrl>https://www.instagram.com/</NavigateUrl>
<AlternateText>Instagram</AlternateText>
<Impressions>20</Impressions>
<Keyword>BVIMIT</Keyword>
</Ad>
<Ad>
<ImageUrl>/image/google.jpg</ImageUrl>
<NavigateUrl>https://www.google.com/</NavigateUrl>
<AlternateText>Google</AlternateText>
<Impressions>30</Impressions>
<Keyword>google</Keyword>
</Ad>
<Ad>
<ImageUrl>/image/amz.jpg</ImageUrl>
<NavigateUrl>https://www.amazon.in/</NavigateUrl>
<AlternateText>Amazon</AlternateText>
<Impressions>30</Impressions>
<Keyword>shopping site</Keyword>
</Ad>
</Advertisements>
Type here to search
28°C Haze
ENG
2:35 PM
3/19/2024


BasicWeApplication
ADMIN
AdvertisementFile.xml
<?xml version="1.0" encoding="utf-8" ?>
<Advertisements>
<Ad>
<ImageUrl>/image/fb.jpg</ImageUrl>
<NavigateUrl>https://www.facebook.com/</NavigateUrl>
<AlternateText>Facebook</AlternateText>
<Impressions>30</Impressions>
<Keyword>BVIMIT</Keyword>
</Ad>
<Ad>
<ImageUrl>/image/insta.jpg</ImageUrl>
<NavigateUrl>https://www.instagram.com/</NavigateUrl>
<AlternateText>Instagram</AlternateText>
<Impressions>20</Impressions>
<Keyword>BVIMIT</Keyword>
</Ad>
<Ad>
<ImageUrl>/image/google.jpg</ImageUrl>
<NavigateUrl>https://www.google.com/</NavigateUrl>
<AlternateText>Google</AlternateText>
<Impressions>30</Impressions>
<Keyword>google</Keyword>
</Ad>
<Ad>
<ImageUrl>/image/amz.jpg</ImageUrl>
<NavigateUrl>https://www.amazon.in/</NavigateUrl>
<AlternateText>Amazon</AlternateText>
<Impressions>30</Impressions>
<Keyword>shopping site</Keyword>
</Ad>
</Advertisements>
Search
ENG
14:36
19-03-2024



Calendar

Design:

Source Code:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Calender.aspx.cs"
Inherits="WebApplication1.Calender" %>


<!DOCTYPE html>


<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

        <title></title>

</head>

<body>

        <center>

        <form id="form1" runat="server">
```

```
        <div

        <h5>MY CALENDAR</h5>

        <asp:Label ID="Label1" runat="server" Text="Label"></asp:Label><br />

        </div>

        <p>


        <asp:Label ID="Label2" runat="server" Text="Labe2"></asp:Label><br />

        </p>

        <asp:Label ID="Label3" runat="server" Text="Labe3"></asp:Label><br />

        <asp:Calendar ID="Calendar1" runat="server" BackColor="#99FF99" BorderColor="#FF6600"
CellPadding="5" CellSpacing="5" OnSelectionChanged="calendar1_VisibleMonthChanged"
OnDayRender="calendar1_DayRender"></asp:Calendar>

        <asp:Label ID="Label4" runat="server" Text="Label"></asp:Label>


        </form>

        </center

</body>

</html>
```

Aspx.cs code:

```
using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;


namespace WebApplication1

{
```

```
public partial class Calender : System.Web.UI.Page
{
protected void Page_Load(object sender, EventArgs e)
{
Label1.Text = "Today's Date is: " + Calendar1.TodaysDate.ToShortDateString();
}

protected void Calendar1_SelectionChanged(object sender, EventArgs e)
{
Label4.Text = Calendar1.SelectedDate.ToLongDateString();
}
protected void calendar1_VisibleMonthChanged(object sender, MonthChangedEventArgs e)
{
Label3.Text = "Selected Month And Year is: " + e.NewDate.Month + "-" + e.NewDate.Year;

}
protected void calendar1_DayRender(object sender, DayRenderEventArgs e)
{
if (e.Day.Date == new DateTime(2024, 3, 29))
{
Literal l1 = new Literal();
Image img1 = new Image();
e.Cell.Width = 70;
e.Cell.Height = 70;
e.Cell.Font.Italic = true;

e.Cell.BackColor = System.Drawing.Color.LightPink;
img1.ImageUrl = "~/Image/Holi.jpeg";
```

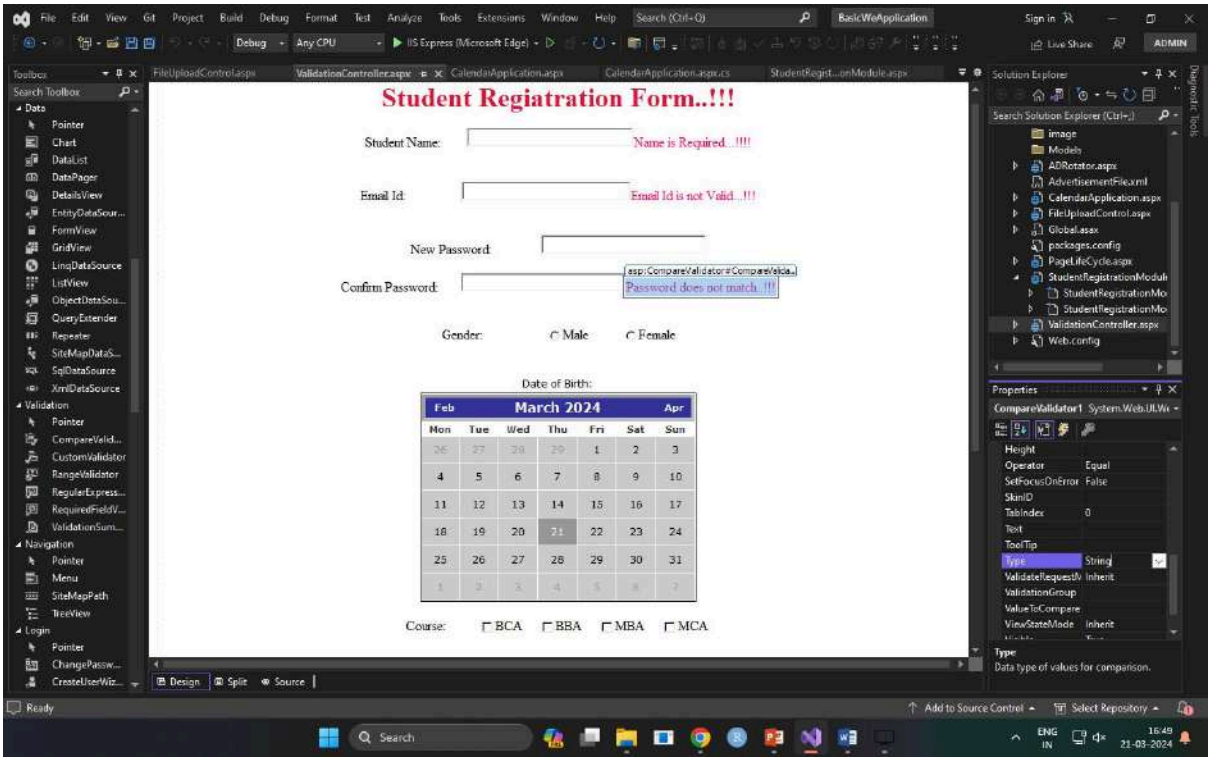
```
img1.Width = 30;
img1.Height = 30;
l1.Text = "<br /><font size=2 color=Red>Holi</font>";
e.Cell.Controls.AddAt(1, l1);
e.Cell.Controls.AddAt(0, img1);
}
if (e.Day.Date == new DateTime(2024, 3, 21))
 {
Literal l1 = new Literal();
Image img1 = new Image();
e.Cell.Width = 30;
e.Cell.Height = 30;
e.Cell.Font.Italic = true;
e.Cell.Font.Size = FontUnit.XLarge;
e.Cell.BackColor = System.Drawing.Color.LightPink;
img1.ImageUrl = "~/Image/bday.jpeg                                                                                                ";
img1.Width = 30;
img1.Height = 30;
l1.Text = "<br /><font size=2 color=Pink>Bday<font>";
e.Cell.Controls.AddAt(1, l1);
e.Cell.Controls.AddAt(0, img1);
}
}

protected void Calendar1_DayRender1(object sender, DayRenderEventArgs e)
{

}
```

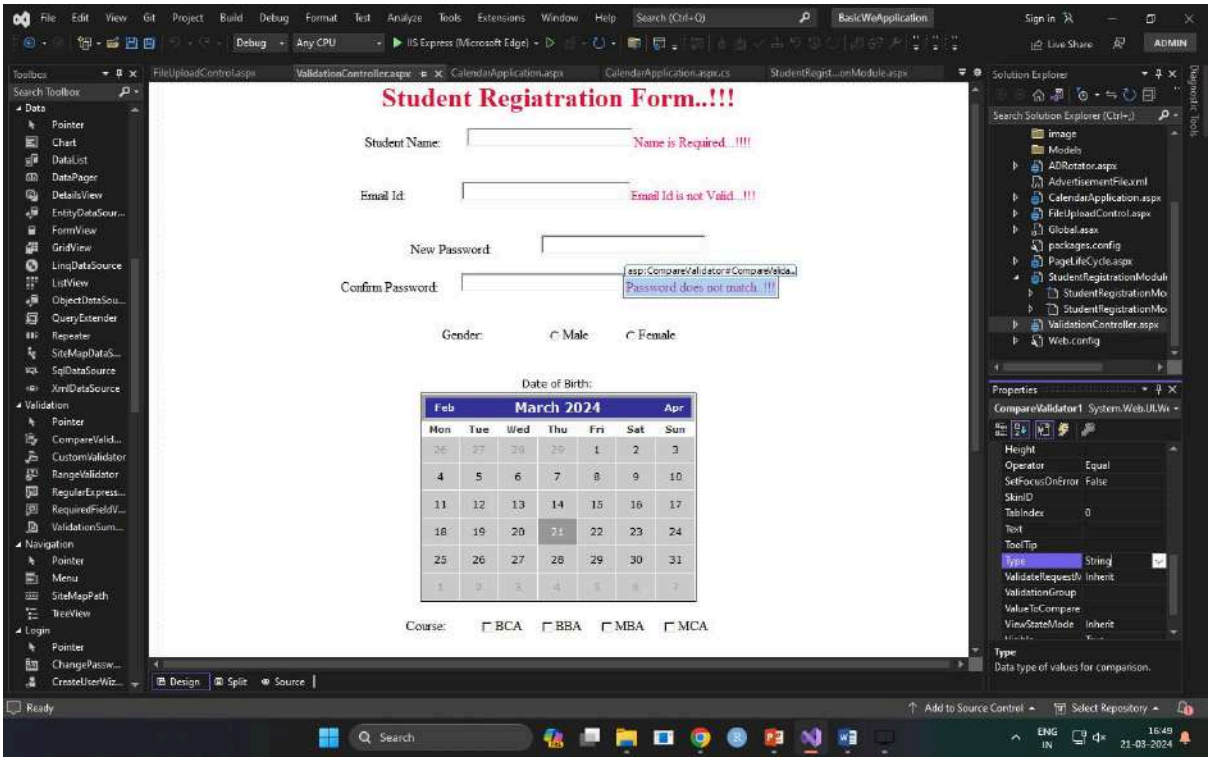
```
        protected void ChangeCalendar1_SelectionChanged(object sender, EventArgs e)

        {



        }



        protected void calendar1_VisibleMonthChangedndthChangeCalendar1_SelectionChanged(object
sender, EventArgs e)

        {



        }



        protected void calendar1_VisibleMonthChanged(object sender, EventArgs e)

        {



        }

        }




}
```

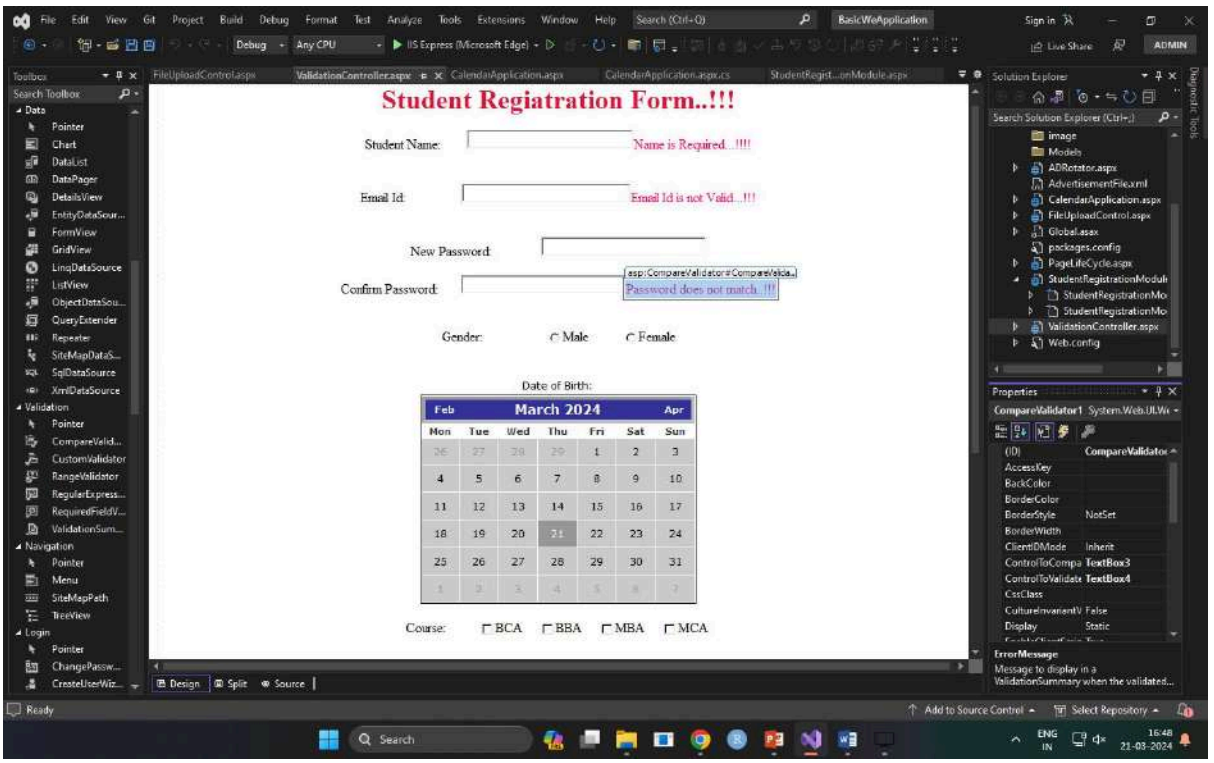
Key Points:

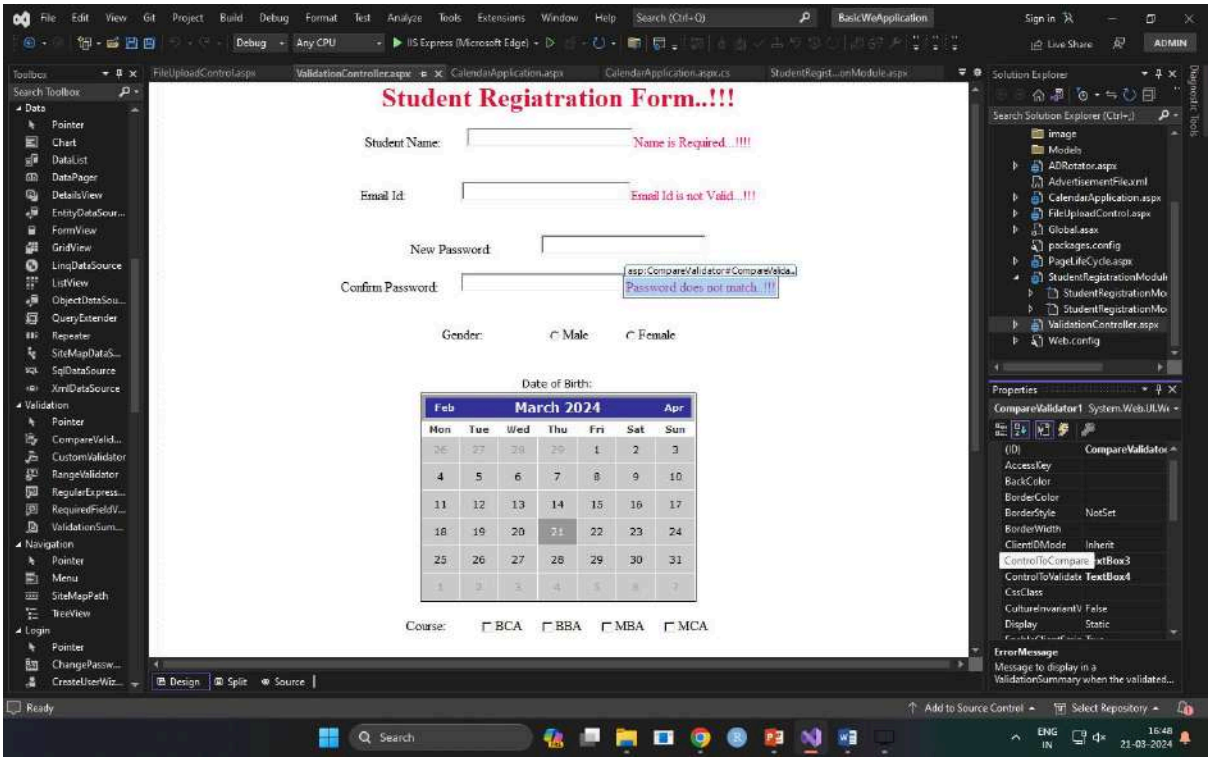
- Add images as per by adding folder in webform
- Add keyrender from the Event by clicking on calendar .It is above the property window.

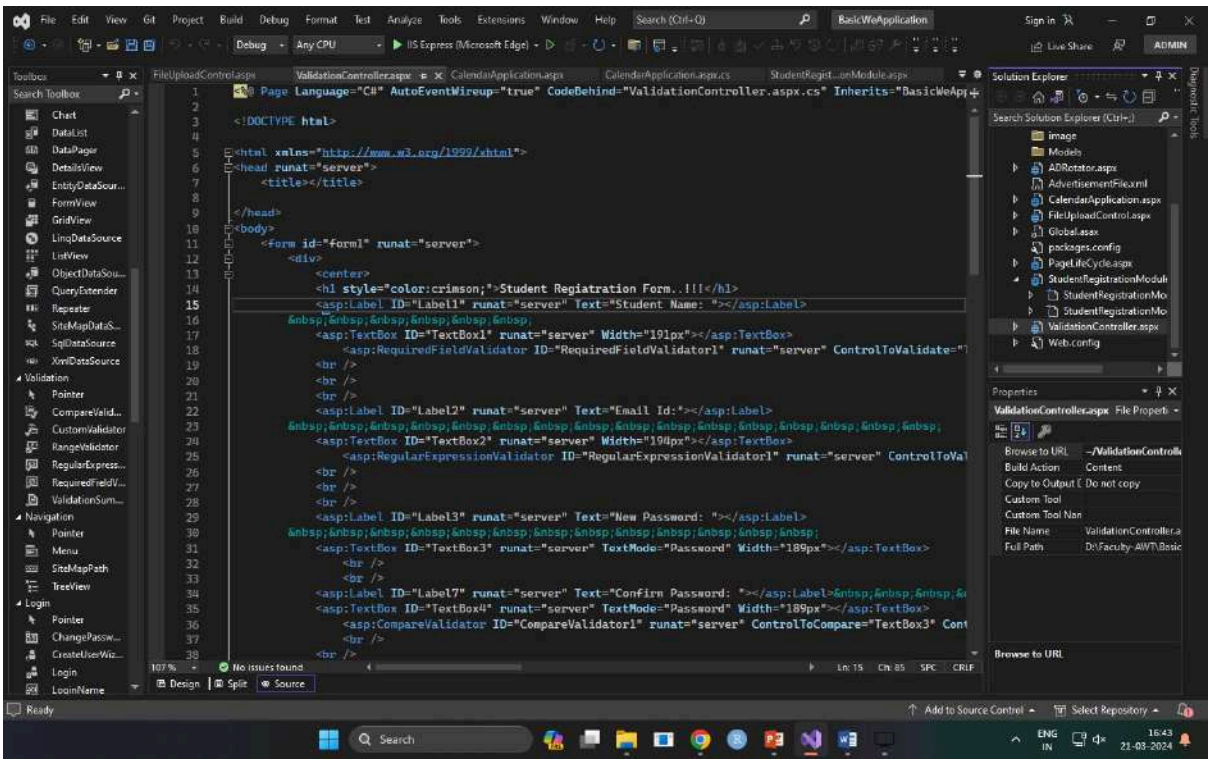
Validation Controls:


Student Regiatration Form..!!!
Student Name:
Name is Required...!!!!
Email Id:
Email Id is not Valid...!!!
New Password:
Confirm Password:
Password does not match...!!!
Gender:
Male
Female
Date of Birth:
Feb
March 2024
Apr
Mon Tue Wed Thu Fri Sat Sun
Course:
BCA
BBA
MBA
MCA


Student Regiatration Form..!!!
Student Name:
Name is Required...!!!!
Email Id:
Email Id is not Valid...!!!
New Password:
Confirm Password:
Password does not match...!!!
Gender:
Male
Female
Date of Birth:
Feb
March 2024
Apr
Mon Tue Wed Thu Fri Sat Sun
Course:
BCA
BBA
MBA
MCA


Student Regiatration Form..!!!
Student Name:
Name is Required...!!!!
Email Id:
Email Id is not Valid...!!!
New Password:
Confirm Password:
Password does not match...!!!
Gender:
Male
Female
Date of Birth:
Feb
March 2024
Apr
Mon Tue Wed Thu Fri Sat Sun
Course:
BCA
BBA
MBA
MCA


Student Regiatration Form..!!!
Student Name:
Name is Required...!!!!
Email Id:
Email Id is not Valid...!!!
New Password:
Confirm Password:
Password does not match...!!!
Gender:
Male
Female
Date of Birth:
Feb
March 2024
Apr
Mon Tue Wed Thu Fri Sat Sun
Course:
BCA
BBA
MBA
MCA


File Edit View Git Project Build Debug Format Test Analyze Tools Extensions Window Help
BasicWebApplication
Debug
Any CPU
IIS Express (Microsoft Edge)
ADMIN
Toolbox
Search Toolbox
Chart
DataList
DataPager
DetailsView
EntityDataSour...
FormView
GridView
LinqDataSource
ListView
ObjectDataSou...
QueryExtender
Repeater
SiteMapDataS...
SqlDataSource
XmlDataSource
Validation
Pointer
CompareValid...
CustomValidator
RangeValidator
RegularExpress...
RequiredFieldV...
ValidationSum...
Navigation
Pointer
Menu
SiteMapPath
TreeView
Login
Pointer
ChangePassw...
CreateUserWiz...
Login
LoginName
FileUploadControl.aspx
ValidationController.aspx
CalendarApplication.aspx
CalendarApplication.aspx.cs
StudentRegist...onModule.aspx
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="ValidationController.aspx.cs" Inherits="BasicWebApp
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title></title>
</head>
<body>
<form id="form1" runat="server">

<h1 style="color:crimson;">Student Regiatration Form..!!!</h1>
<asp:Label ID="Label1" runat="server" Text="Student Name: "></asp:Label>

<asp:TextBox ID="TextBox1" runat="server" Width="191px"></asp:TextBox>
<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server" ControlToValidate="

<asp:Label ID="Label2" runat="server" Text="Email Id:*"></asp:Label>

<asp:TextBox ID="TextBox2" runat="server" Width="194px"></asp:TextBox>
<asp:RegularExpressionValidator ID="RegularExpressionValidator1" runat="server" ControlToVal

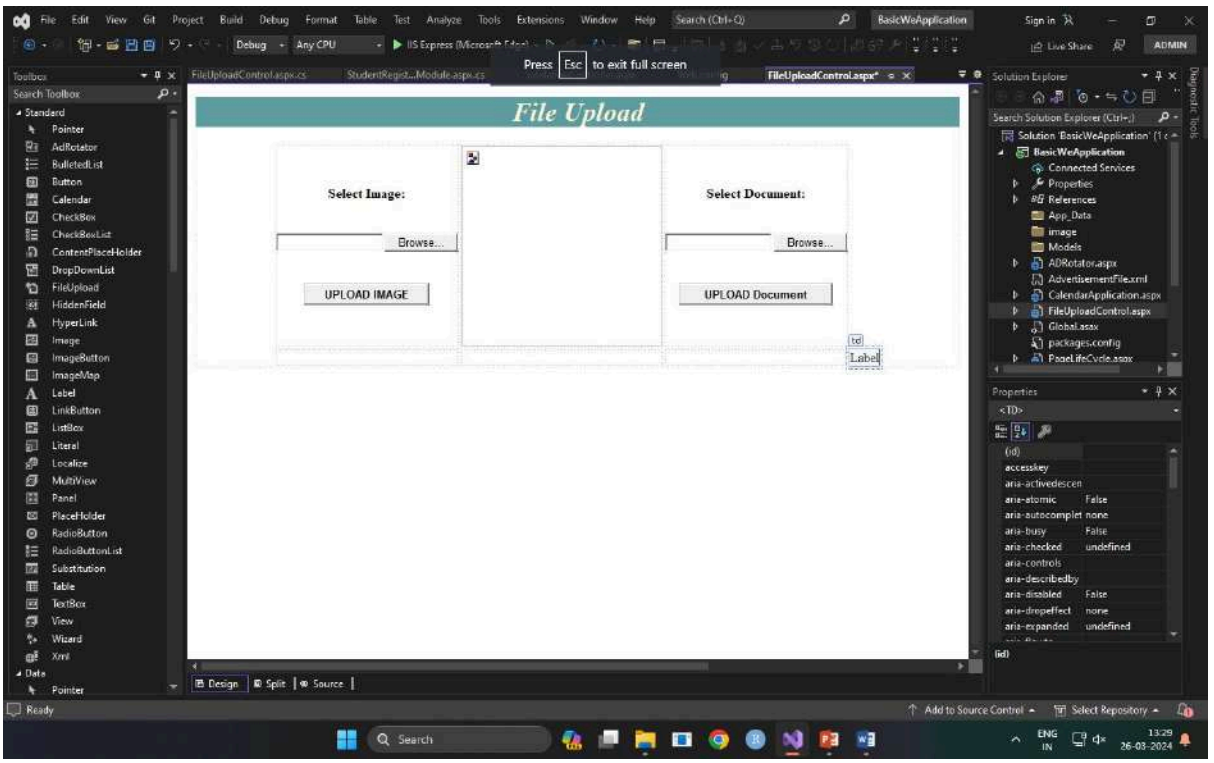
<asp:Label ID="Label3" runat="server" Text="New Password: "></asp:Label>

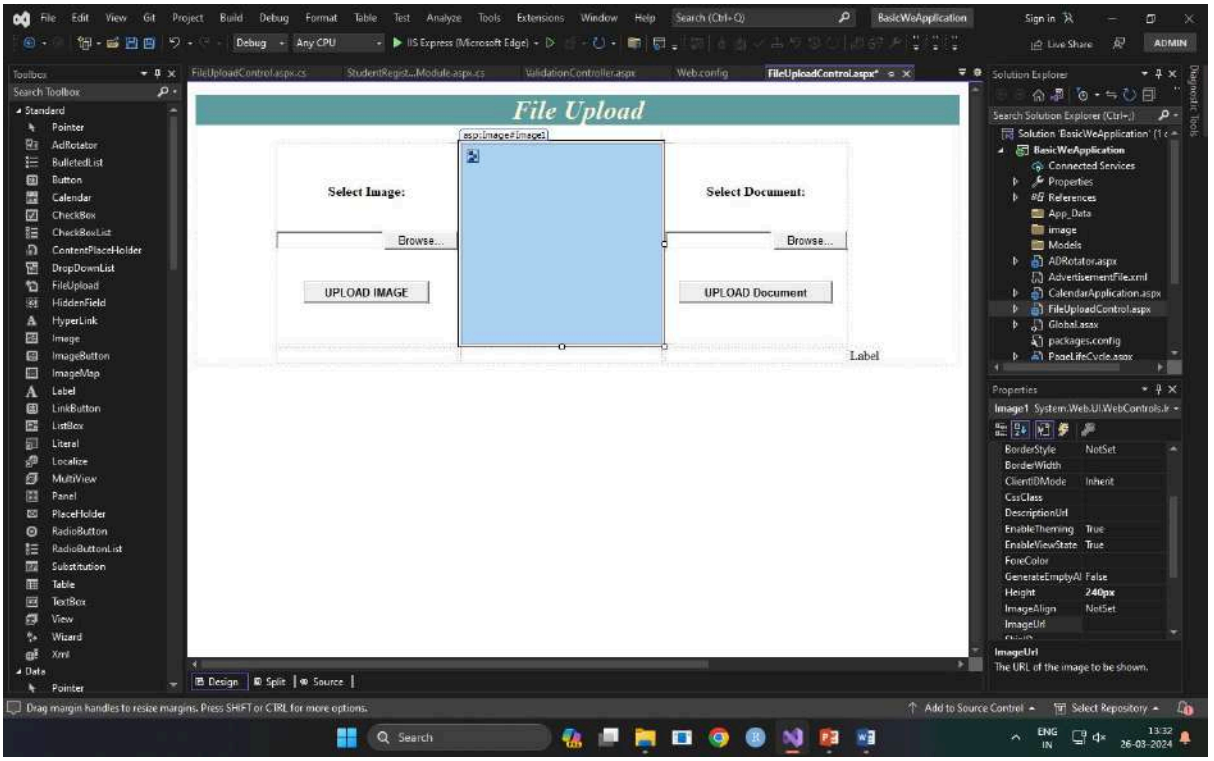
<asp:TextBox ID="TextBox3" runat="server" TextMode="Password" Width="189px"></asp:TextBox>

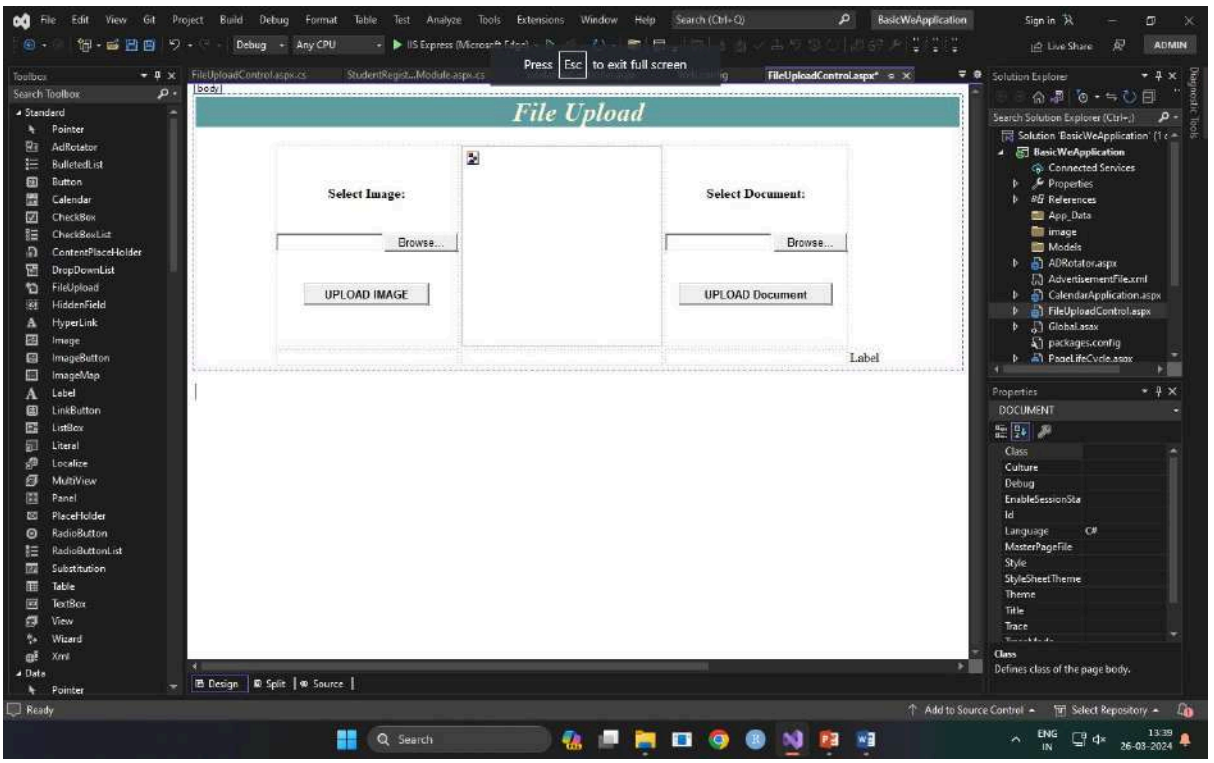
<asp:Label ID="Label7" runat="server" Text="Confirm Password: *"></asp:Label>   &
<asp:TextBox ID="TextBox4" runat="server" TextMode="Password" Width="189px"></asp:TextBox>
<asp:CompareValidator ID="CompareValidator1" runat="server" ControlToCompare="TextBox3" Cont

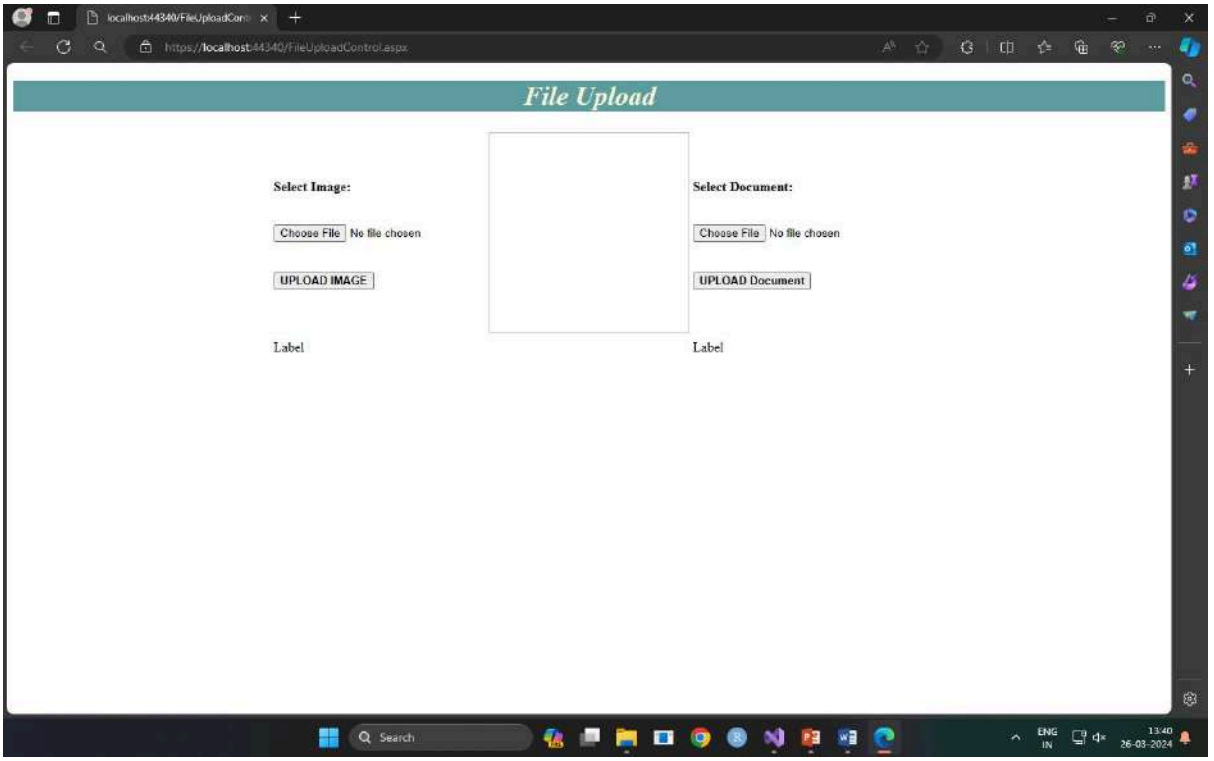
107 %
No issues found
Ln: 15 Ch: 85 SPC CRLF
Design Split Source
Solution Explorer
Search Solution Explorer (Ctrl+;)
image
Models
ADRotator.aspx
AdvertisementFile.xml
CalendarApplication.aspx
FileUploadControl.aspx
Global.asax
packages.config
PageLifeCycle.aspx
StudentRegistrationModule
StudentRegistrationMo
StudentRegistrationMo
ValidationController.aspx
Web.config
Properties
ValidationController.aspx File Properti
Browse to URL ~/ValidationControll
Build Action Content
Copy to Output D Do not copy
Custom Tool
Custom Tool Nan
File Name ValidationController.a
Full Path D:\Faculty-AWT\Basic
Browse to URL
Ready
Add to Source Control
Select Repository
Search
ENG IN
16:43
21-03-2024

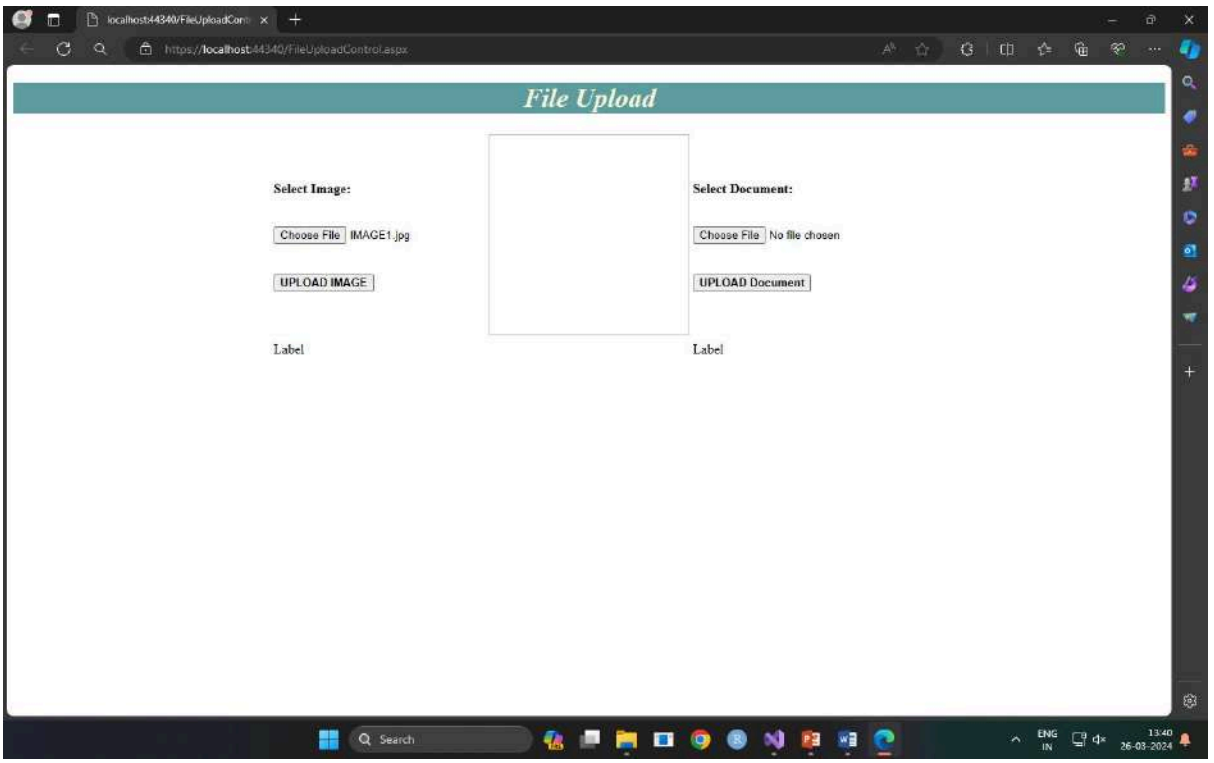
26-03-24

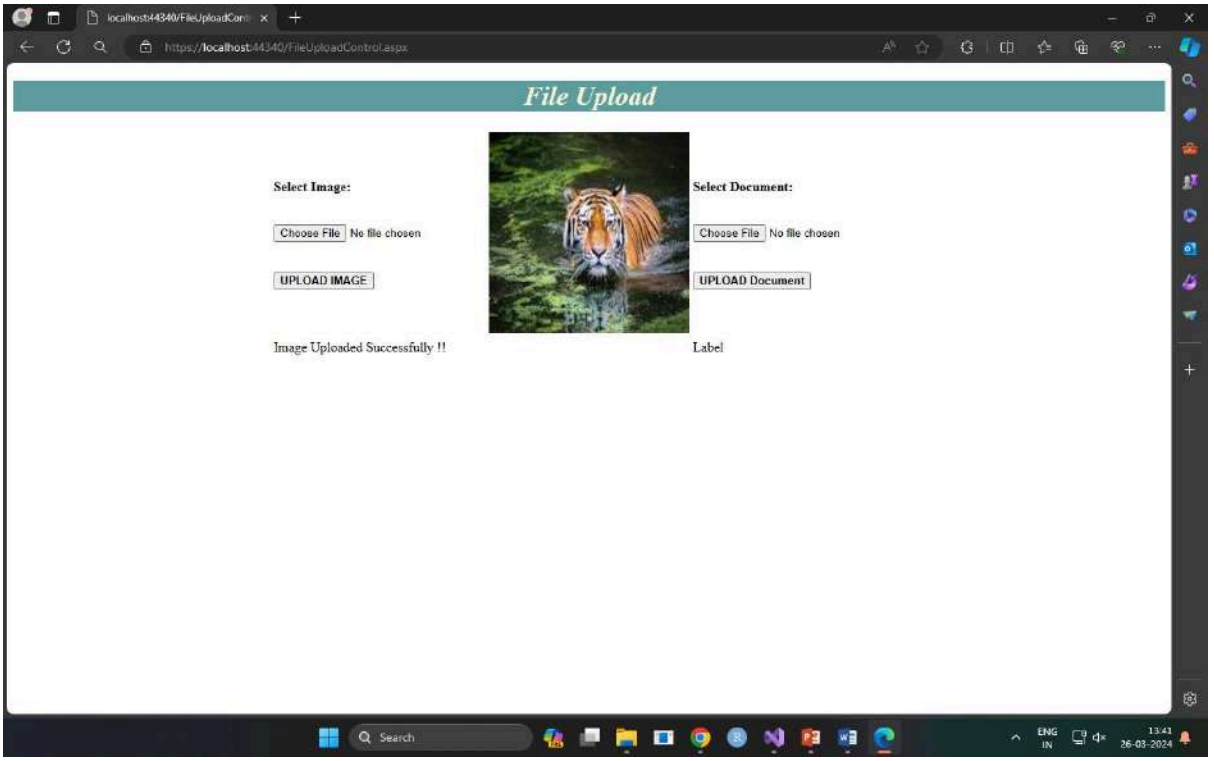

File Upload
Select Image:
Browse...
UPLOAD IMAGE
Select Document:
Browse...
UPLOAD Document
Label
Press Esc to exit full screen

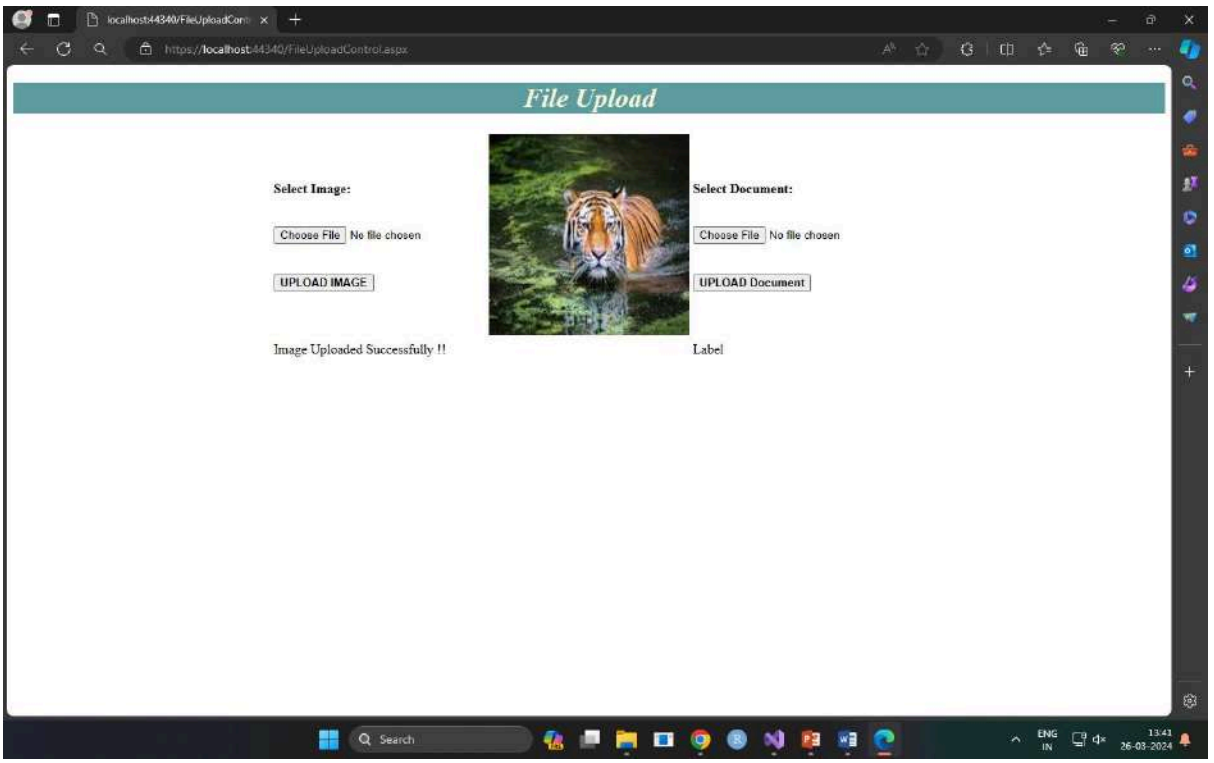

File Upload
Select Image:
Browse...
UPLOAD IMAGE
Select Document:
Browse...
UPLOAD Document
Label

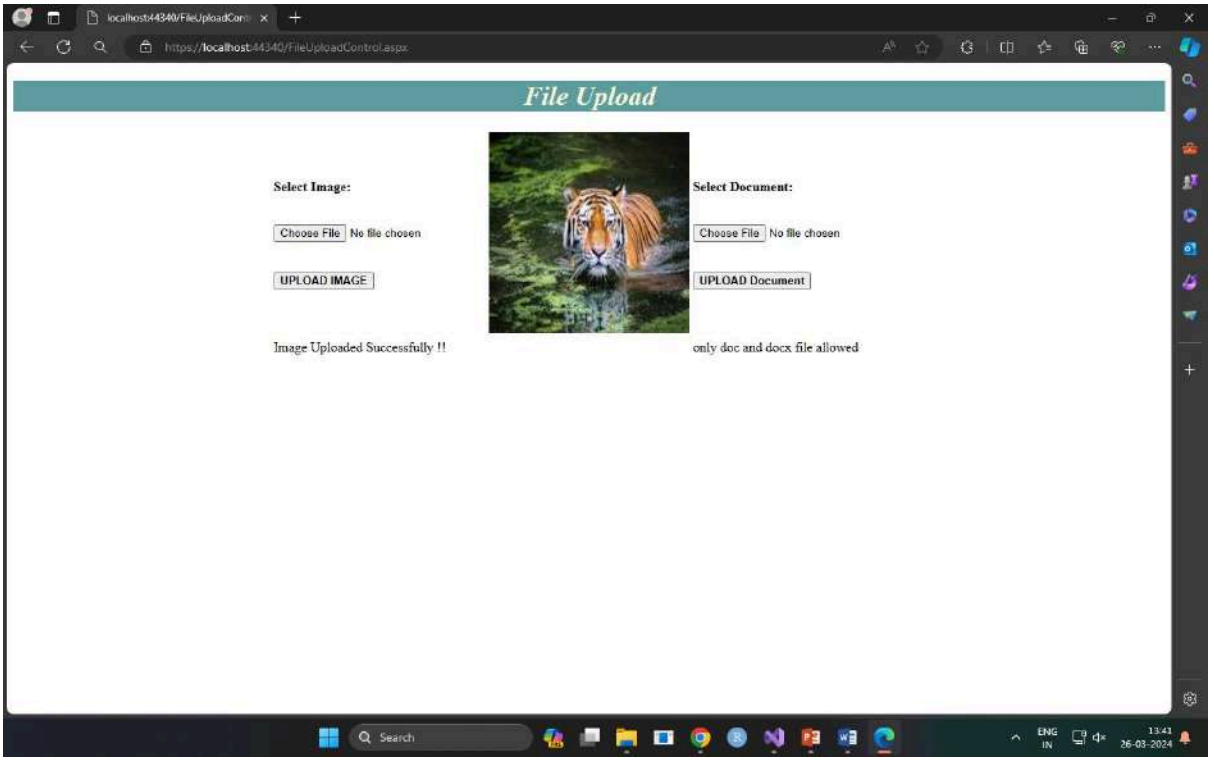

File Upload
Select Image:
Browse...
UPLOAD IMAGE
Select Document:
Browse...
UPLOAD Document
Label

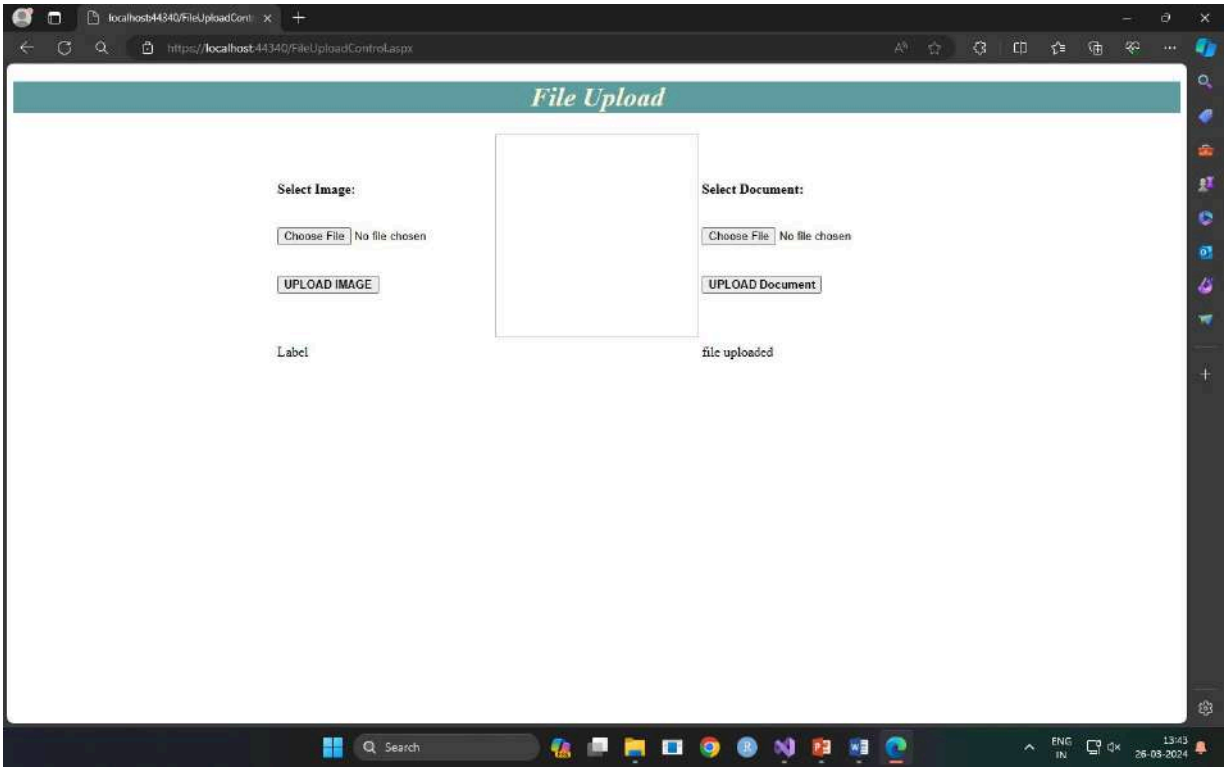

File Upload
Select Image:
Choose File
No file chosen
UPLOAD IMAGE
Label
Select Document:
Choose File
No file chosen
UPLOAD Document
Label

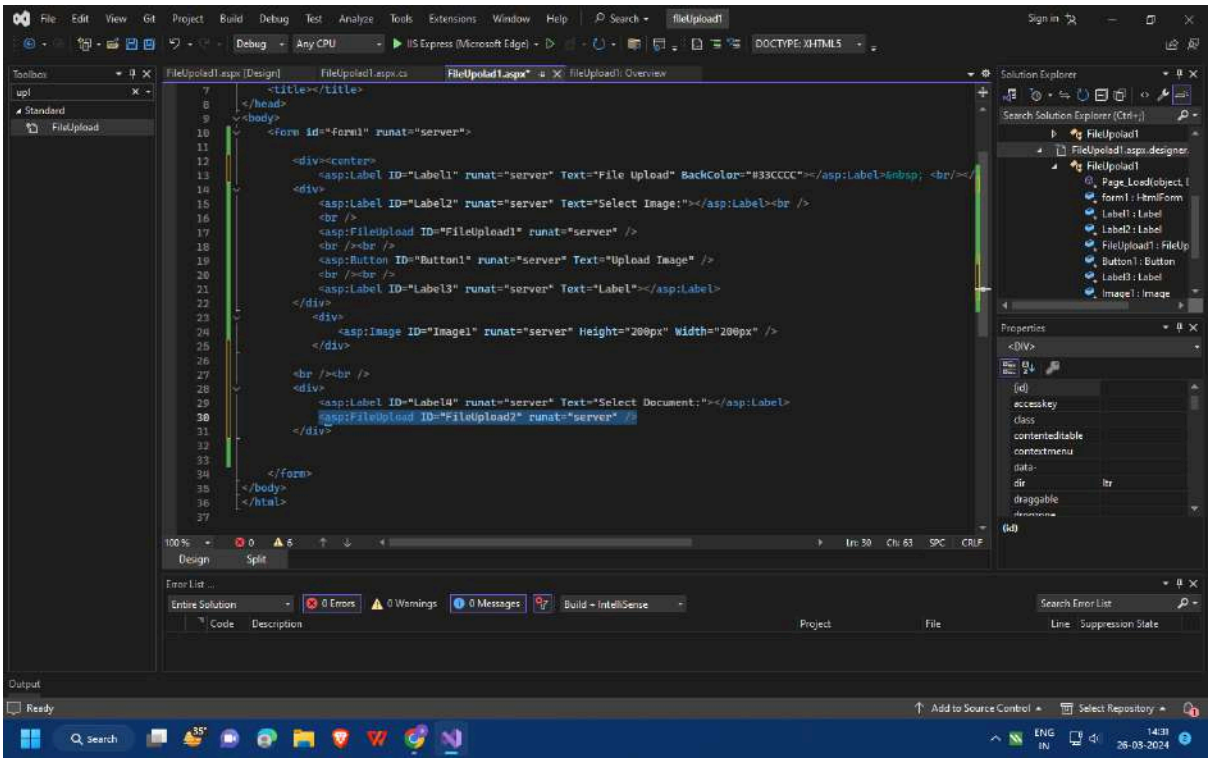

File Upload
Select Image:
Choose File IMAGE1.jpg
UPLOAD IMAGE
Label
Select Document:
Choose File No file chosen
UPLOAD Document
Label


File Upload
Select Image:
Choose File No file chosen
UPLOAD IMAGE
Image Uploaded Successfully !!
Select Document:
Choose File No file chosen
UPLOAD Document
Label


File Upload
Select Image:
Choose File No file chosen
UPLOAD IMAGE
Image Uploaded Successfully !!
Select Document:
Choose File No file chosen
UPLOAD Document
Label


File Upload
Select Image:
Choose File No file chosen
UPLOAD IMAGE
Image Uploaded Successfully !!
Select Document:
Choose File No file chosen
UPLOAD Document
only doc and docx file allowed


File Upload
Select Image:
Choose File No file chosen
UPLOAD IMAGE
Label
Select Document:
Choose File No file chosen
UPLOAD Document
file uploaded


FileUpload1.aspx [Design]
FileUpload1.aspx.cs
FileUpload1.aspx*
FileUpload1: Overview
<title></title>
</head>
<body>
<form id="form1" runat="server">

<asp:Label ID="Label1" runat="server" Text="File Upload" BackColor="#33CCCC"></asp:Label>
</

<asp:Label ID="Label2" runat="server" Text="Select Image:"></asp:Label>

<asp:FileUpload ID="FileUpload1" runat="server" />

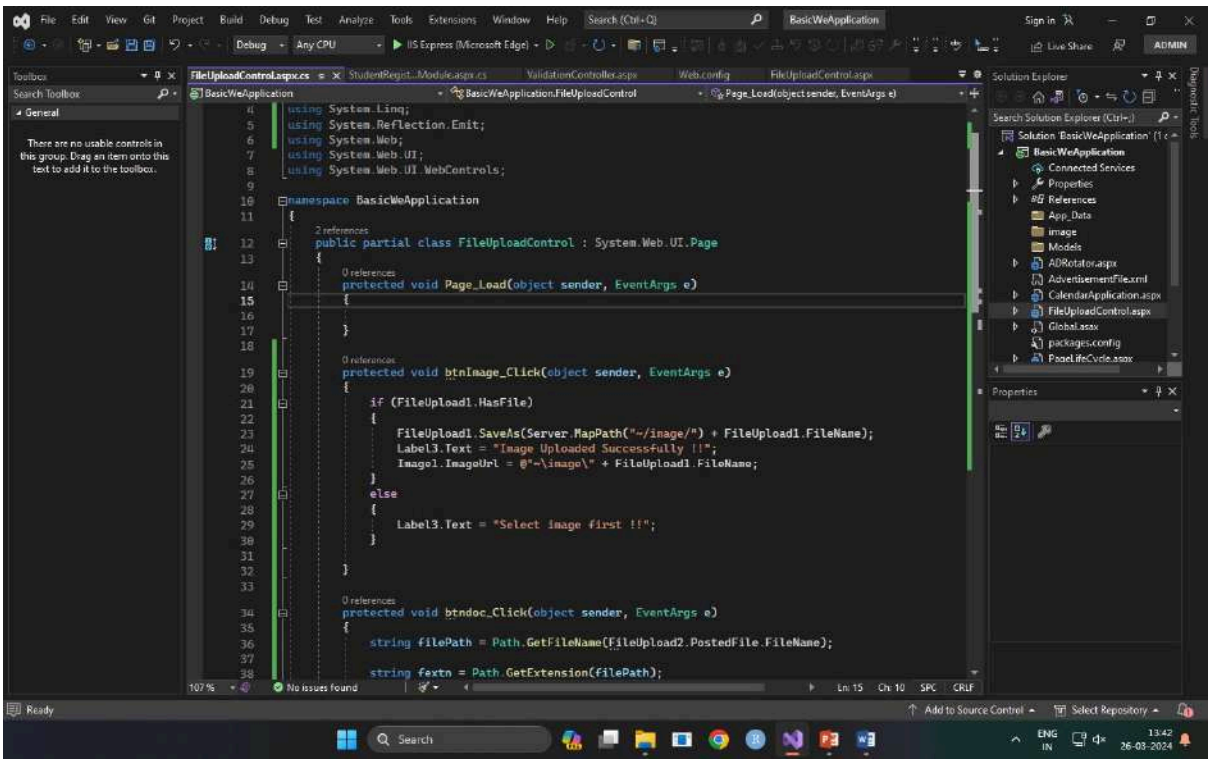
<asp:Button ID="Button1" runat="server" Text="Upload Image" />

<asp:Label ID="Label3" runat="server" Text="Label"></asp:Label>

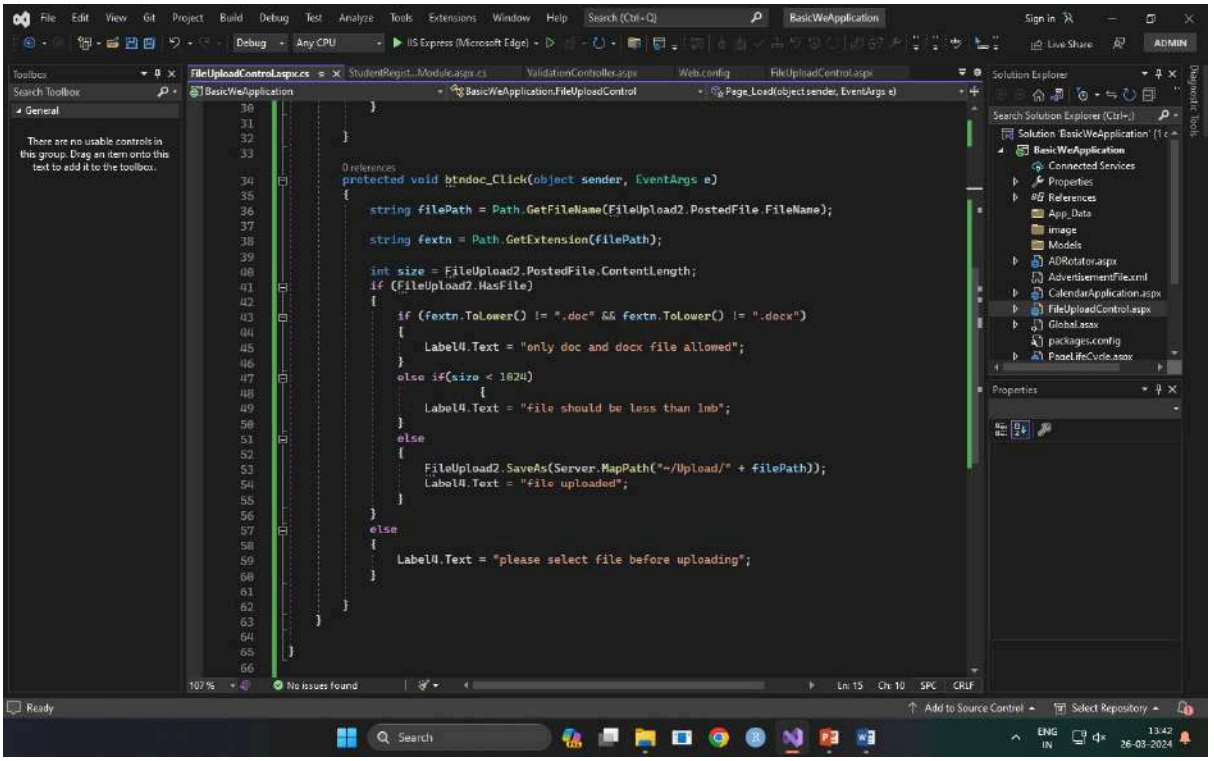
<asp:Image ID="Image1" runat="server" Height="200px" Width="200px" />

<asp:Label ID="Label4" runat="server" Text="Select Document:"></asp:Label>
<asp:FileUpload ID="FileUpload2" runat="server" />

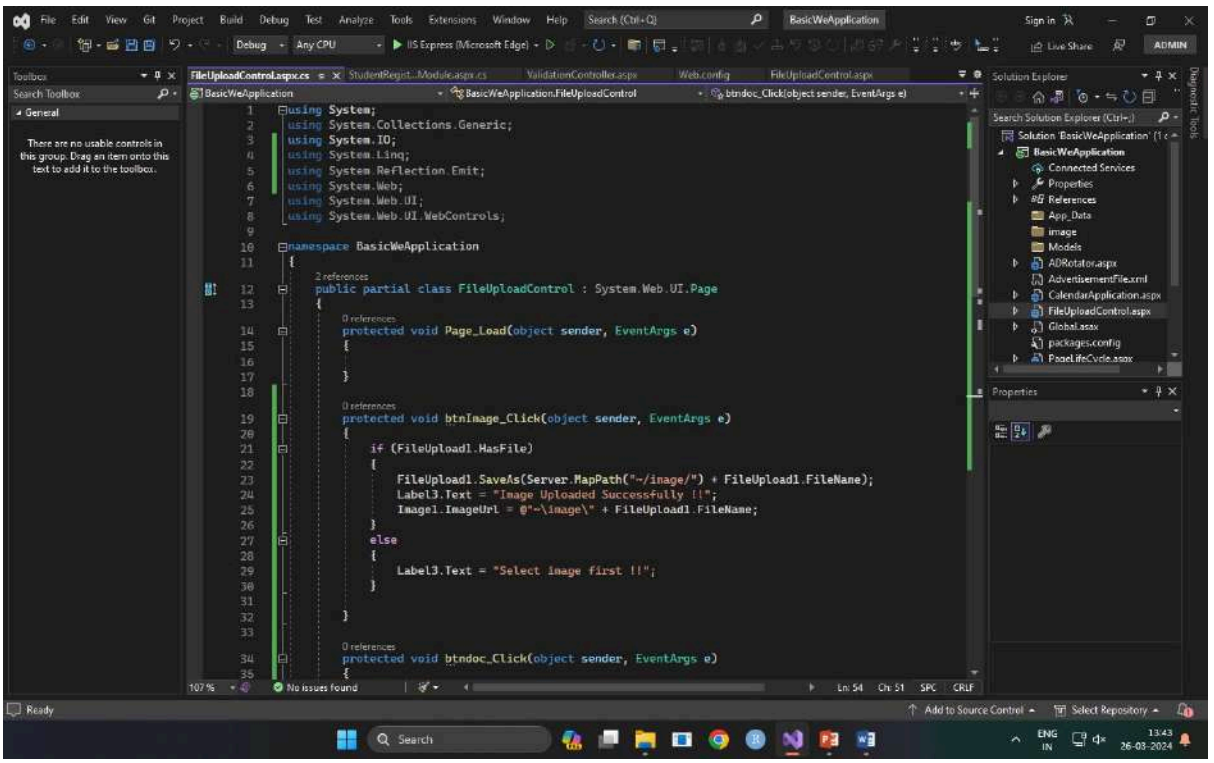
</form>
</body>
</html>
Design
Split
Error List ...
0 Errors
0 Warnings
0 Messages
Build + IntelliSense
Output
Ready



```
using System.Linq;
using System.Reflection.Emit;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace BasicWeApplication
{
    2 references
    public partial class FileUploadControl : System.Web.UI.Page
    {
        0 references
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        0 references
        protected void btnImage_Click(object sender, EventArgs e)
        {
            if (FileUpload1.HasFile)
            {
                FileUpload1.SaveAs(Server.MapPath("~/inage/") + FileUpload1.FileName);
                Label3.Text = "Image Uploaded Successfully !!";
                Image1.ImageUrl = @"~\image\" + FileUpload1.FileName;
            }
            else
            {
                Label3.Text = "Select image first !!";
            }

        }

        0 references
        protected void btndoc_Click(object sender, EventArgs e)
        {
            string filePath = Path.GetFileName(FileUpload2.PostedFile.FileName);

            string fextn = Path.GetExtension(filePath);
```



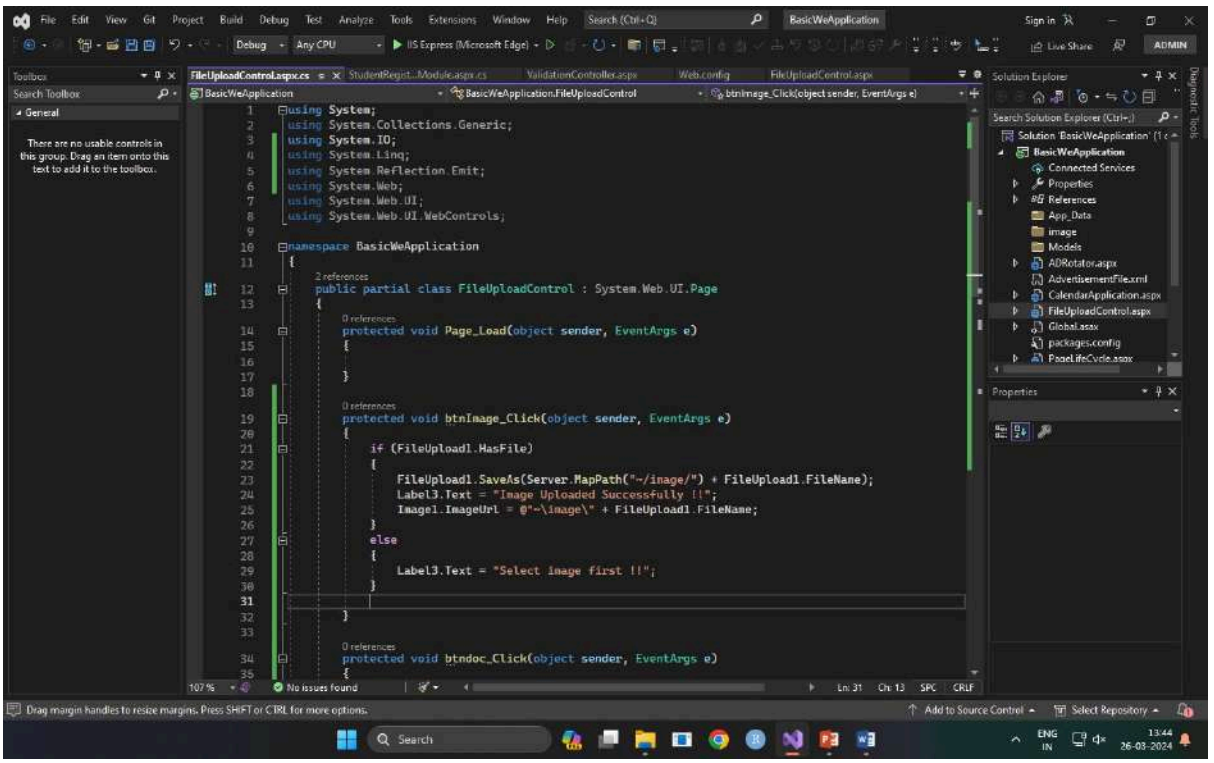
```
        }

        0 references
        protected void btndoc_Click(object sender, EventArgs e)
        {
            string filePath = Path.GetFileName(FileUpload2.PostedFile.FileName);

            string fextn = Path.GetExtension(filePath);

            int size = FileUpload2.PostedFile.ContentLength;
            if (FileUpload2.HasFile)
            {
                if (fextn.ToLower() != ".doc" && fextn.ToLower() != ".docx")
                {
                    Label4.Text = "only doc and docx file allowed";
                }
                else if(size < 1024)
                        {
                    Label4.Text = "file should be less than 1mb";
                }
                else
                {
                    FileUpload2.SaveAs(Server.MapPath("~/Upload/" + filePath));
                    Label4.Text = "file uploaded";
                }
            }
            else
            {
                Label4.Text = "please select file before uploading";
            }

        }
    }
}
```



Code for file upload control

```
using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace fileUpload1
{
   public partial class FileUpolad1 : System.Web.UI.Page
   {
      protected void Page_Load(object sender, EventArgs e)
      {

      }

      protected void Button1_Click(object sender, EventArgs e)
      {
         if(FileUpload1.HasFile)
         {
            FileUpload1.SaveAs(Server.MapPath("~/image/") +
FileUpload1.FileName);
            Label3.Text = "Image Uploaded Successfully !!";
            Image1.ImageUrl = @"~\image\" + FileUpload1.FileName;
         }
         else
```

```
        {
            Label3.Text = "Select image First !!!";
        }
    }

    protected void Button2_Click(object sender, EventArgs e)
    {
        string filePath = Path.GetFileName(FileUpload2.PostedFile.FileName);
        string fextn = Path.GetExtension(filePath);
        int size = FileUpload2.PostedFile.ContentLength;
        if (FileUpload2.HasFile)
        {
            if (fextn.ToLower() != ".doc" && fextn.ToLower() != ".docx")
            {
                Label4.Text = "Only doc and docx files are allowed !!";
            }
            else if (size < 1024)
            {
                Label4.Text = "file should be less than 1mb!!";
            }
            else
            {
                FileUpload2.SaveAs(Server.MapPath("~/Upload/" + filePath));
                Label4.Text = "File uploaded";
            }
        }

        else
        {
            Label4.Text = "Please select file before uploading!!";
        }
    }
  }
}
```


using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Reflection.Emit;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace BasicWeApplication
{
public partial class FileUploadControl : System.Web.UI.Page
{
protected void Page_Load(object sender, EventArgs e)
{
}
protected void btnImage_Click(object sender, EventArgs e)
{
if (FileUpload1.HasFile)
{
FileUpload1.SaveAs(Server.MapPath("~/image/") + FileUpload1.FileName);
Label3.Text = "Image Uploaded Successfully !!";
Image1.ImageUrl = @"~\image\" + FileUpload1.FileName;
}
else
{
Label3.Text = "Select image first !!";
}
}
protected void btndoc_Click(object sender, EventArgs e)

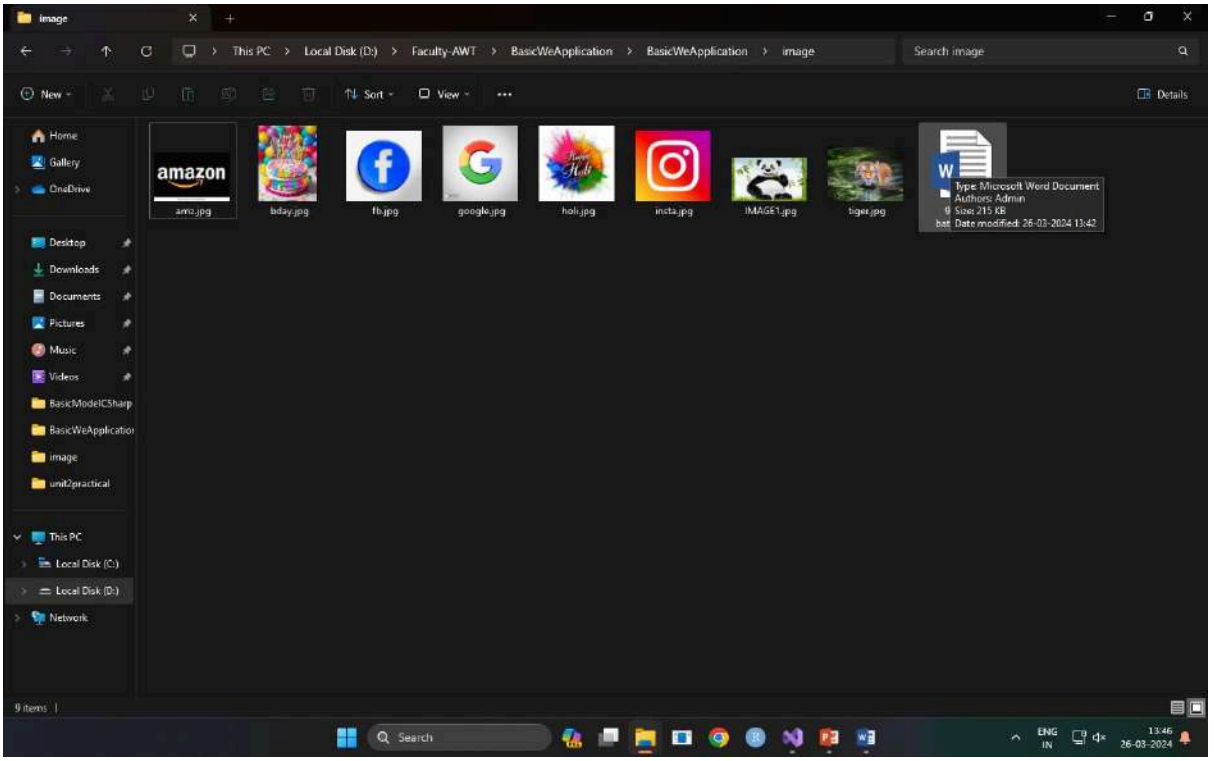
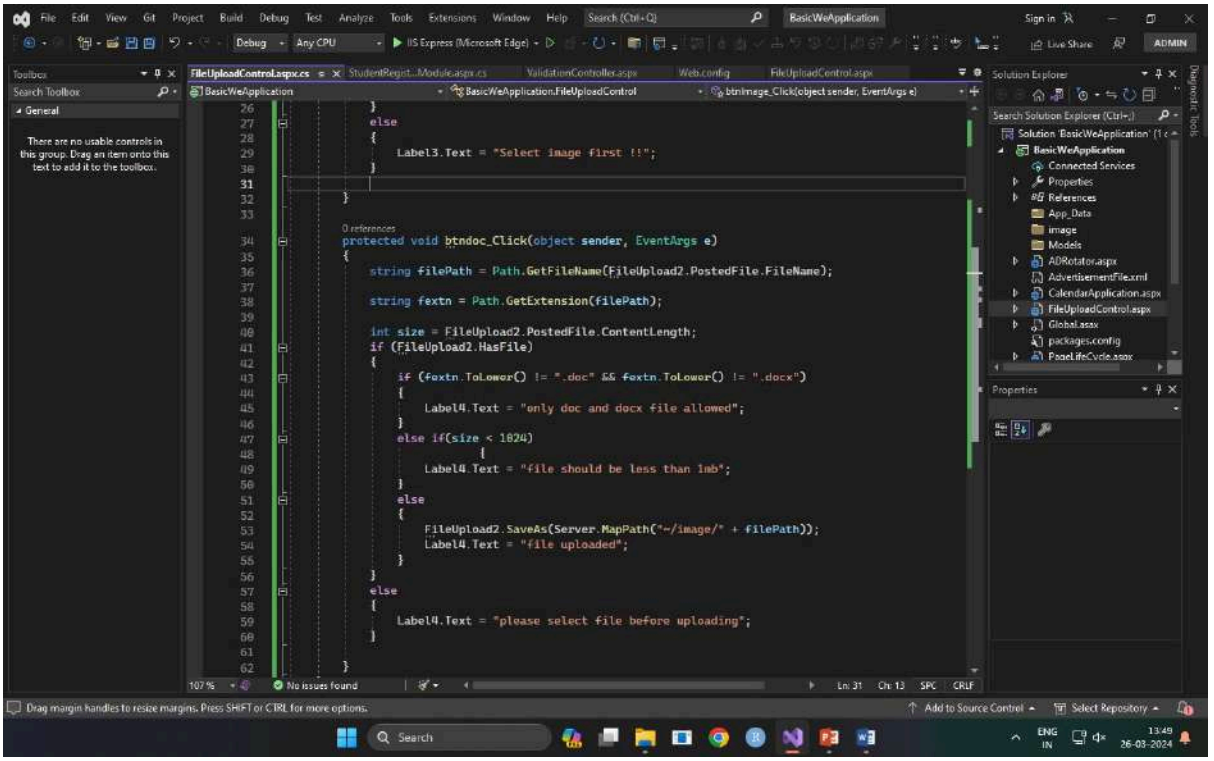


image
This PC
Local Disk (D:)
Faculty-AWT
BasicWeApplication
BasicWeApplication
image
Search image
amz.jpg
bday.jpg
fb.jpg
google.jpg
holi.jpg
insta.jpg
IMAGE1.jpg
tiger.jpg
Type: Microsoft Word Document
Authors: Admin
Size: 215 KB
Date modified: 26-03-2024 13:42
9 items



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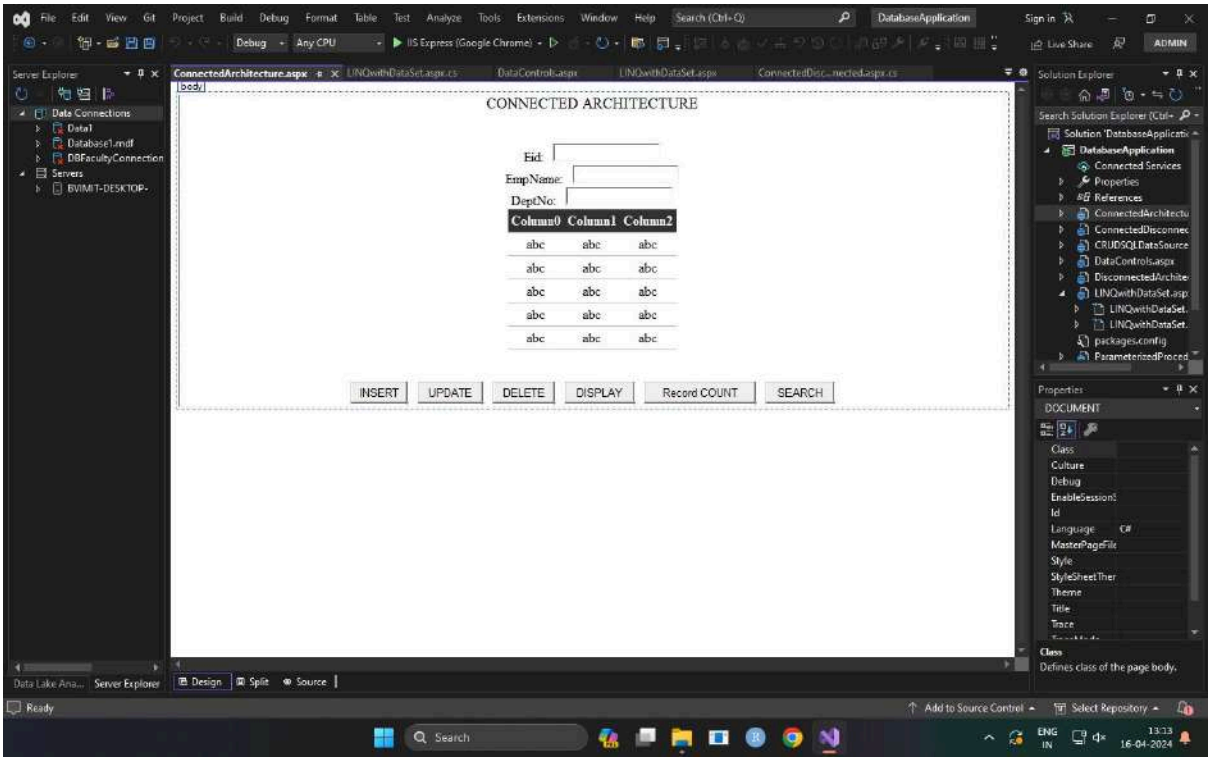
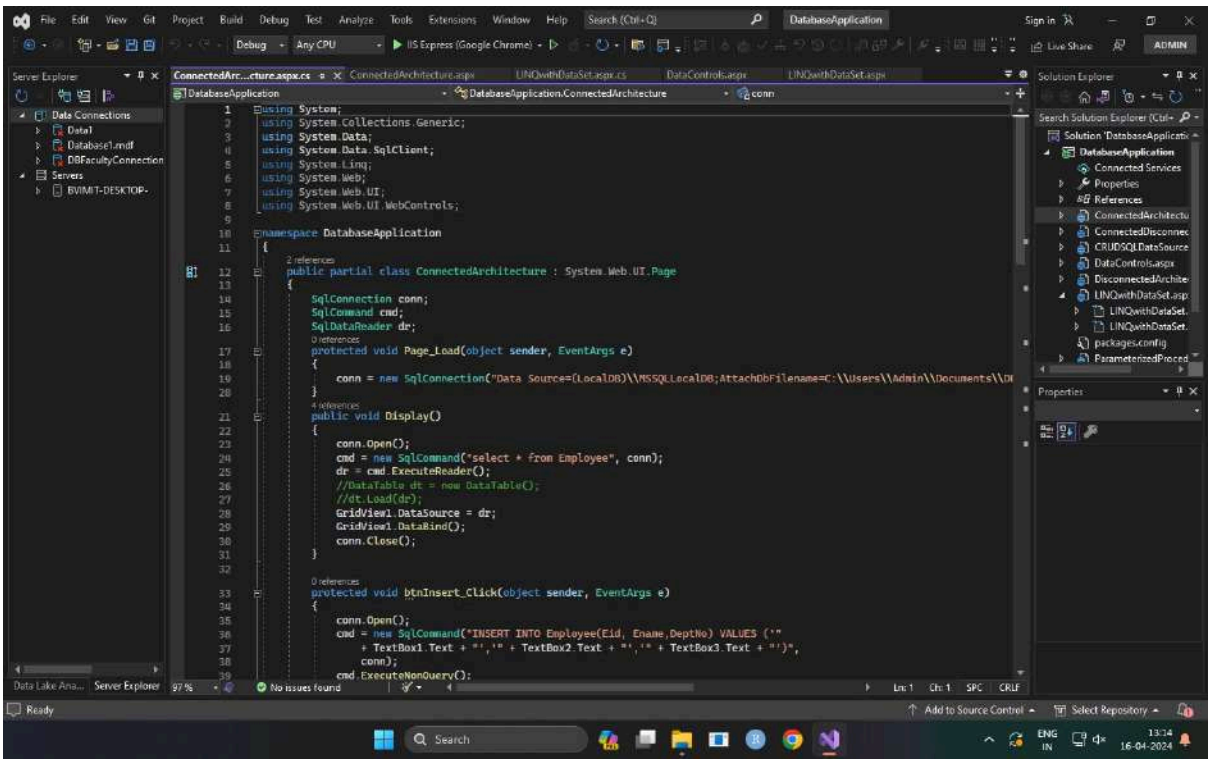
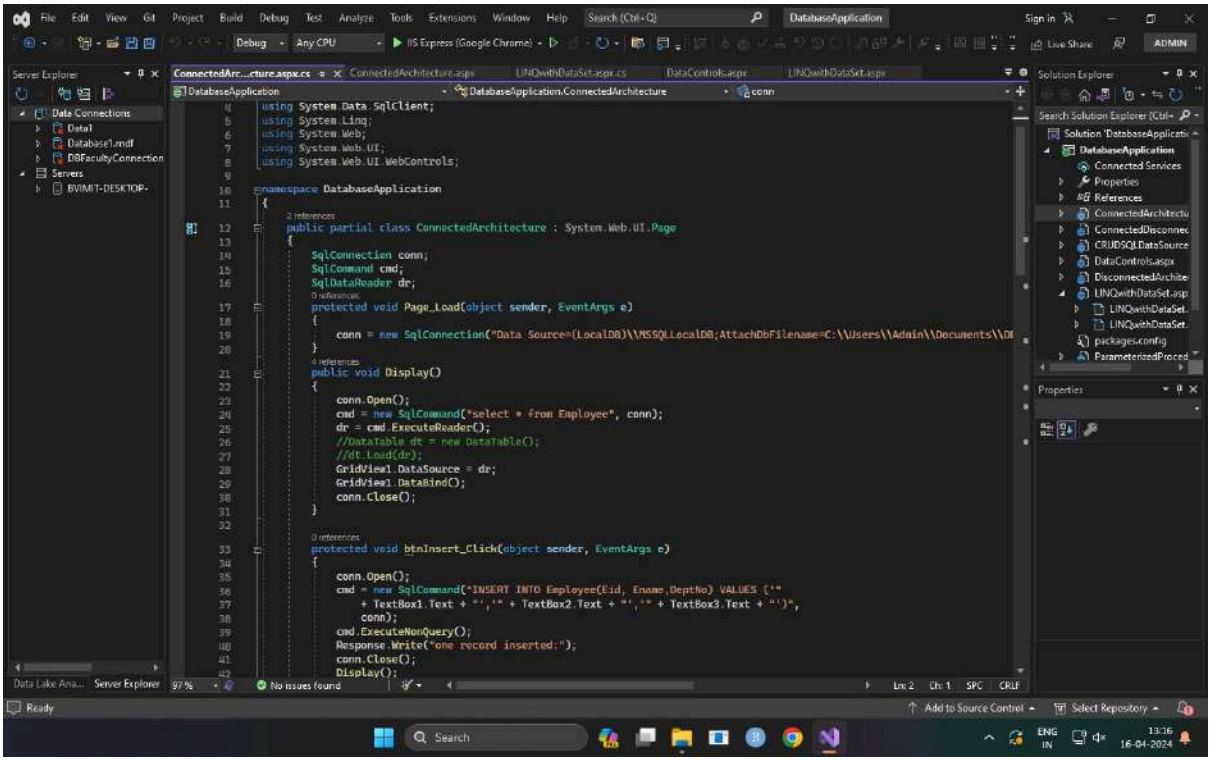
Diff bet connected and disconnected

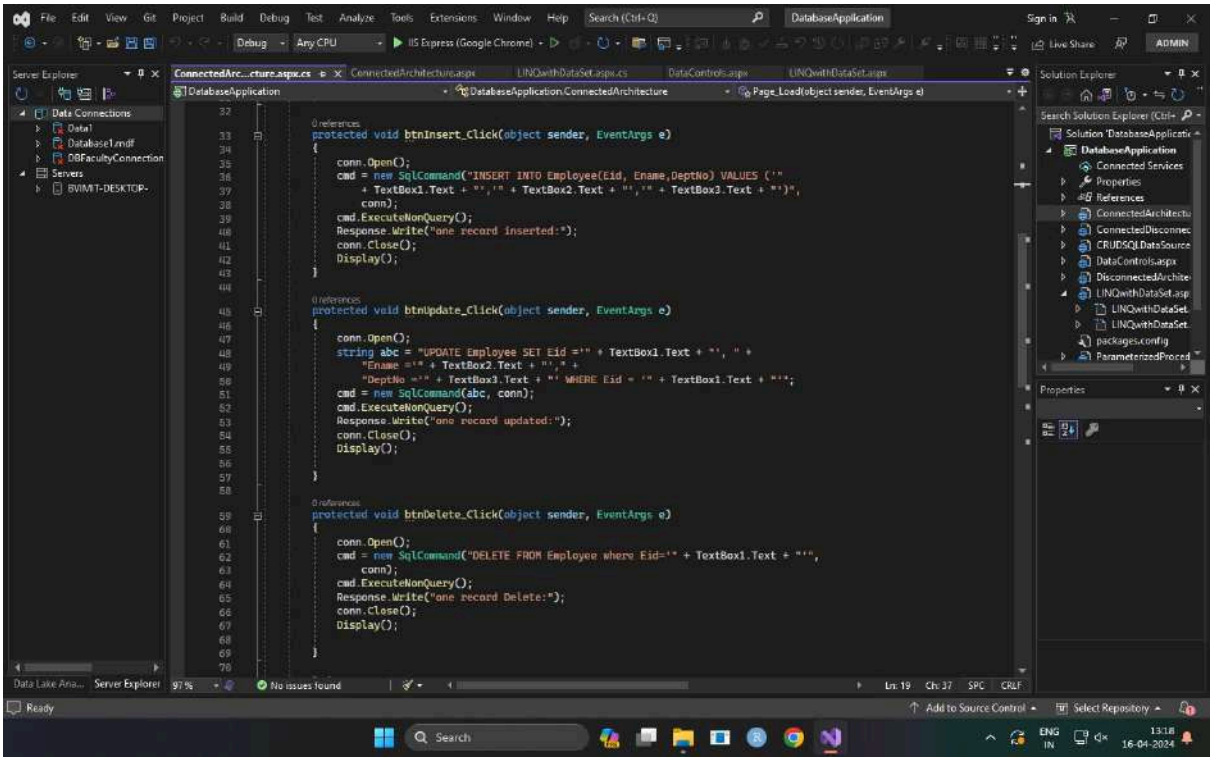




```
using System;
using System.Collections.Generic;
using System.Data;
using System.Data.SqlClient;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace DatabaseApplication
{
    public partial class ConnectedArchitecture : System.Web.UI.Page
    {
        SqlConnection conn;
        SqlCommand cmd;
        SqlDataReader dr;
        protected void Page_Load(object sender, EventArgs e)
        {
            conn = new SqlConnection("Data Source=(LocalDB)\\MSSQLLocalDB;AttachDbFilename=C:\\Users\\Admin\\Documents\\D
        }
        public void Display()
        {
            conn.Open();
            cmd = new SqlCommand("select * from Employee", conn);
            dr = cmd.ExecuteReader();
            //DataTable dt = new DataTable();
            //dt.Load(dr);
            GridView1.DataSource = dr;
            GridView1.DataBind();
            conn.Close();
        }

        protected void btnInsert_Click(object sender, EventArgs e)
        {
            conn.Open();
            cmd = new SqlCommand("INSERT INTO Employee(Eid, Ename,DeptNo) VALUES ('"
                + TextBox1.Text + "','" + TextBox2.Text + "','" + TextBox3.Text + "')",
                conn);
            cmd.ExecuteNonQuery();
```

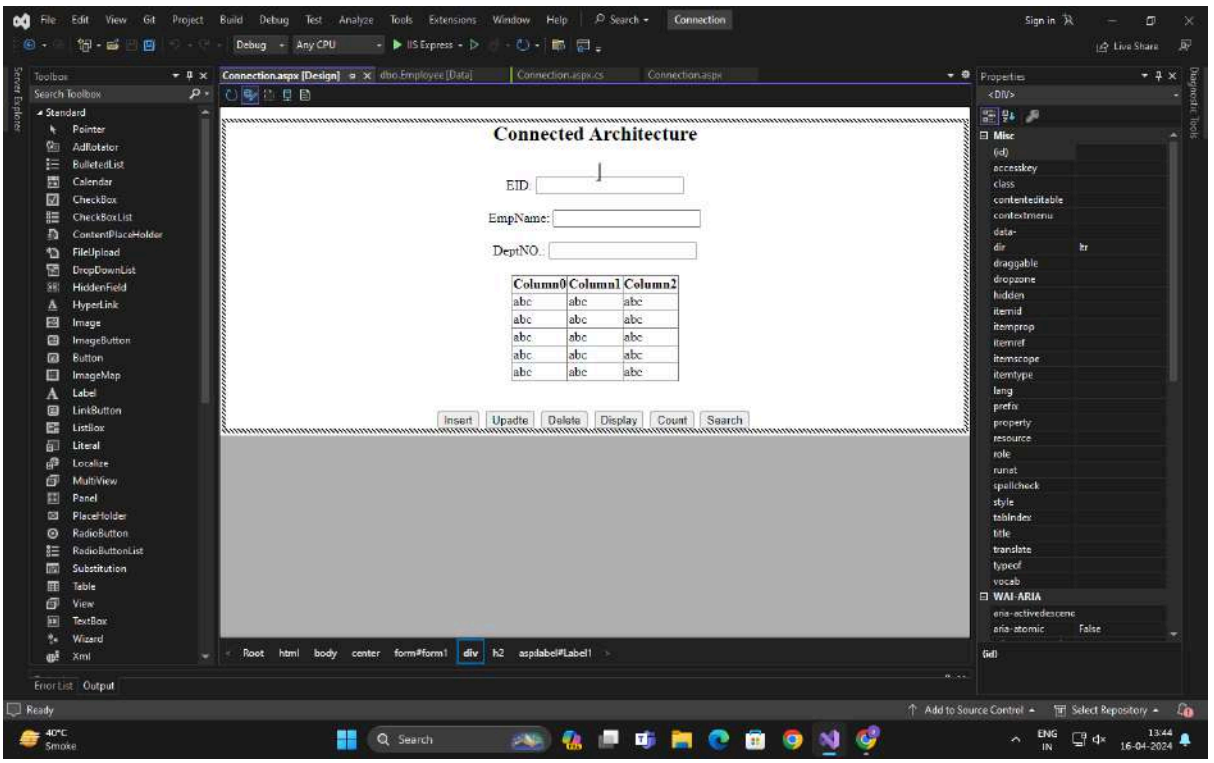


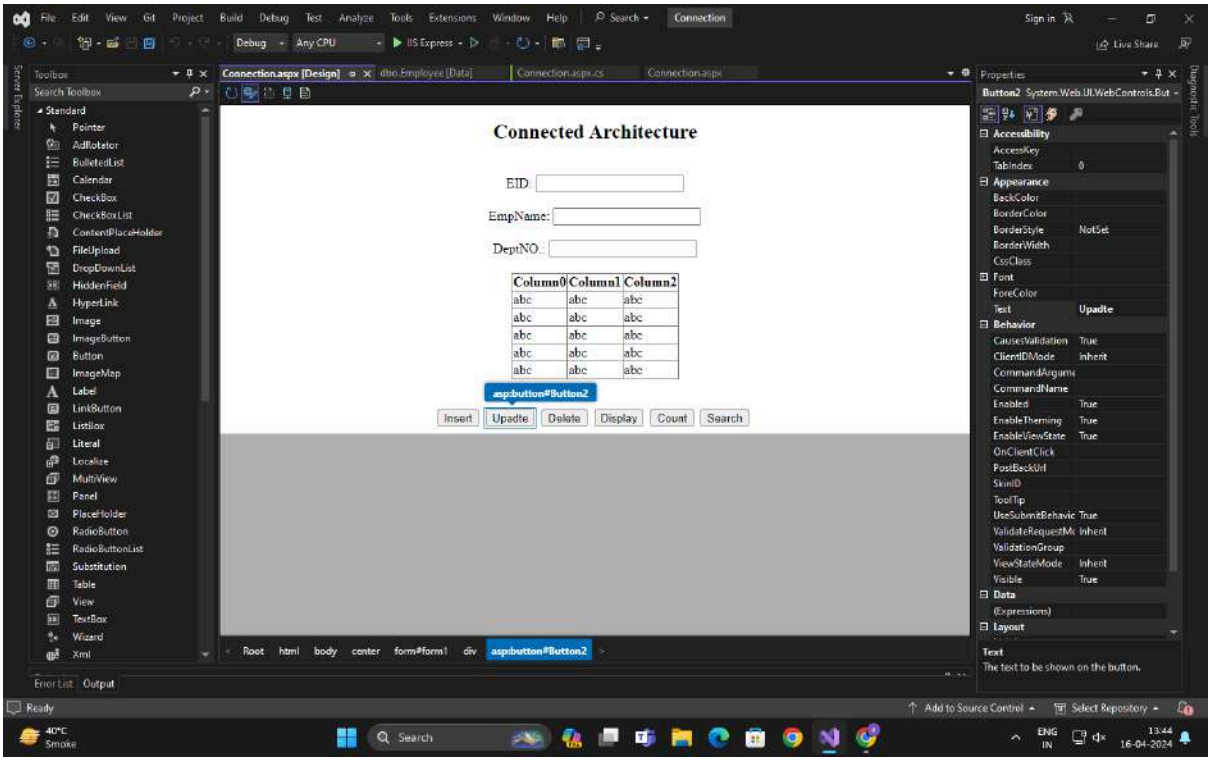
```
using System.Data.SqlClient;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace DatabaseApplication
{
    public partial class ConnectedArchitecture : System.Web.UI.Page
    {
        SqlConnection conn;
        SqlCommand cmd;
        SqlDataReader dr;
        protected void Page_Load(object sender, EventArgs e)
        {
            conn = new SqlConnection("Data Source=(LocalDB)\\MSSQLLocalDB;AttachDbFilename=C:\\Users\\Admin\\Documents\\D
        }
        public void Display()
        {
            conn.Open();
            cmd = new SqlCommand("select * from Employee", conn);
            dr = cmd.ExecuteReader();
            //DataTable dt = new DataTable();
            //dt.Load(dr);
            GridView1.DataSource = dr;
            GridView1.DataBind();
            conn.Close();
        }

        protected void btnInsert_Click(object sender, EventArgs e)
        {
            conn.Open();
            cmd = new SqlCommand("INSERT INTO Employee(Eid, Ename,DeptNo) VALUES ('"
                + TextBox1.Text + "','" + TextBox2.Text + "','" + TextBox3.Text + "')",
                conn);
            cmd.ExecuteNonQuery();
            Response.Write("one record inserted:");
            conn.Close();
            Display();
```

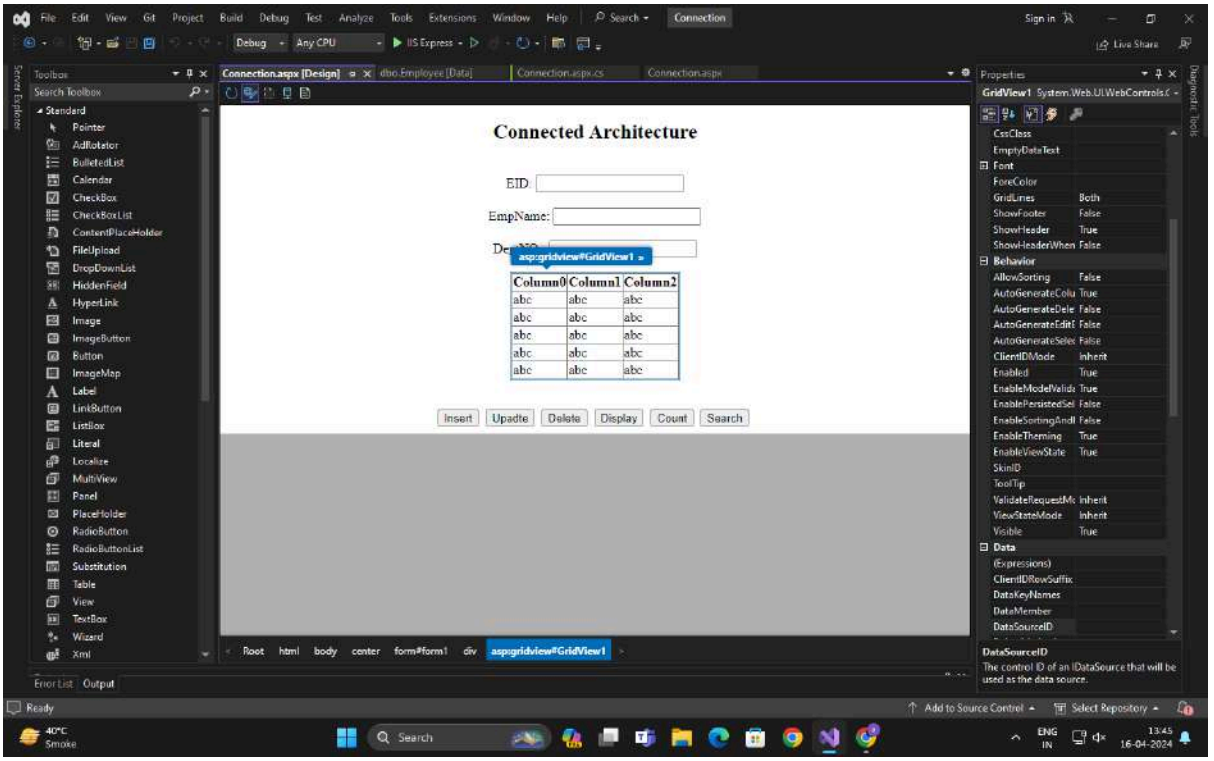


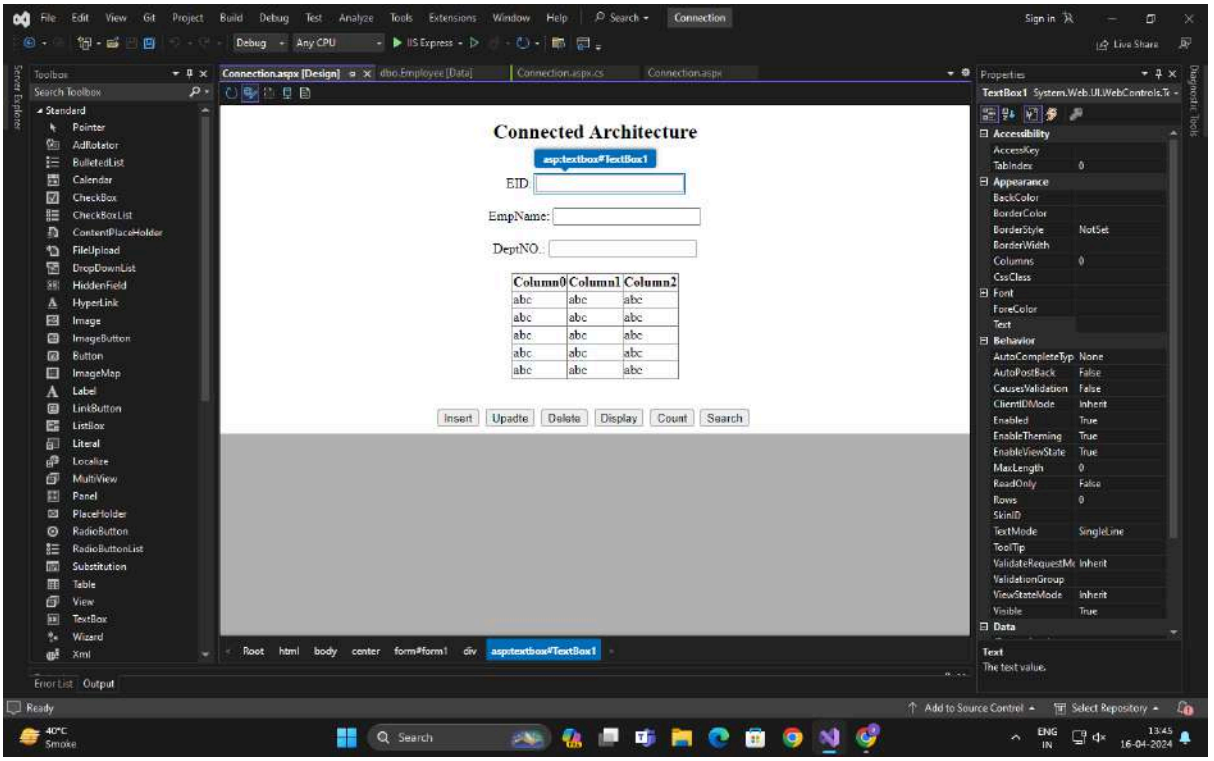
```
protected void btnInsert_Click(object sender, EventArgs e)
{
    conn.Open();
    cmd = new SqlCommand("INSERT INTO Employee(Eid, Ename,DeptNo) VALUES ('"
        + TextBox1.Text + "','" + TextBox2.Text + "','" + TextBox3.Text + "')",
        conn);
    cmd.ExecuteNonQuery();
    Response.Write("one record inserted:");
    conn.Close();
    Display();
}

protected void btnUpdate_Click(object sender, EventArgs e)
{
    conn.Open();
    string abc = "UPDATE Employee SET Eid ='" + TextBox1.Text + "', " +
        "Ename ='" + TextBox2.Text + "'," +
        "DeptNo ='" + TextBox3.Text + "' WHERE Eid = '" + TextBox1.Text + "'";
    cmd = new SqlCommand(abc, conn);
    cmd.ExecuteNonQuery();
    Response.Write("one record updated:");
    conn.Close();
    Display();

}

protected void btnDelete_Click(object sender, EventArgs e)
{
    conn.Open();
    cmd = new SqlCommand("DELETE FROM Employee where Eid='" + TextBox1.Text + "'",
        conn);
    cmd.ExecuteNonQuery();
    Response.Write("one record Delete:");
    conn.Close();
    Display();

}
```

Design:


Connected Architecture
EID:
EmpName:
DeptNO.:
Column0 Column1 Column2
abc abc abc
Insert Upadte Delete Display Count Search


Connected Architecture
EID:
EmpName:
DeptNO.:
Column0 Column1 Column2
abc abc abc
asp:button#Button2
Insert Upadte Delete Display Count Search





Code:

Connection.aspx

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Connection.aspx.cs" Inherits="Connection.Connection" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">

```
<head runat="server">
   <title></title>
</head>
<body>
   <center>
   <form id="form1" runat="server">
      <div>
        <h2> <asp:Label ID="Label1" runat="server" Text="Connected
Architecture"></asp:Label></h2>
         <br />
         <asp:Label ID="Label2" runat="server" Text="EID:    "></asp:Label>
         <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
         <br /><br />
         <asp:Label ID="Label3" runat="server" Text="EmpName:  "></asp:Label>
         <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
         <br /><br />
         <asp:Label ID="Label4" runat="server" Text="DeptNO.:"></asp:Label>
         <asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>
         <br /><br />
         <asp:GridView ID="GridView1" runat="server"></asp:GridView>
         <br /><br />
         <asp:Button ID="Button1" runat="server" Text="Insert"
OnClick="Button1_Click"/> 
         <asp:Button ID="Button2" runat="server" Text="Upadte"
OnClick="Button2_Click"/> 
         <asp:Button ID="Button3" runat="server" Text="Delete"
OnClick="Button3_Click"/> 
         <asp:Button ID="Button4" runat="server" Text="Display"
OnClick="Button4_Click" /> 
         <asp:Button ID="Button5" runat="server" Text="Count"
OnClick="Button5_Click"/> 
         <asp:Button ID="Button6" runat="server" Text="Search"
OnClick="Button6_Click"/> 

      </div>
   </form>
   </center>
</body>
</html>
```

connection.aspx.cs

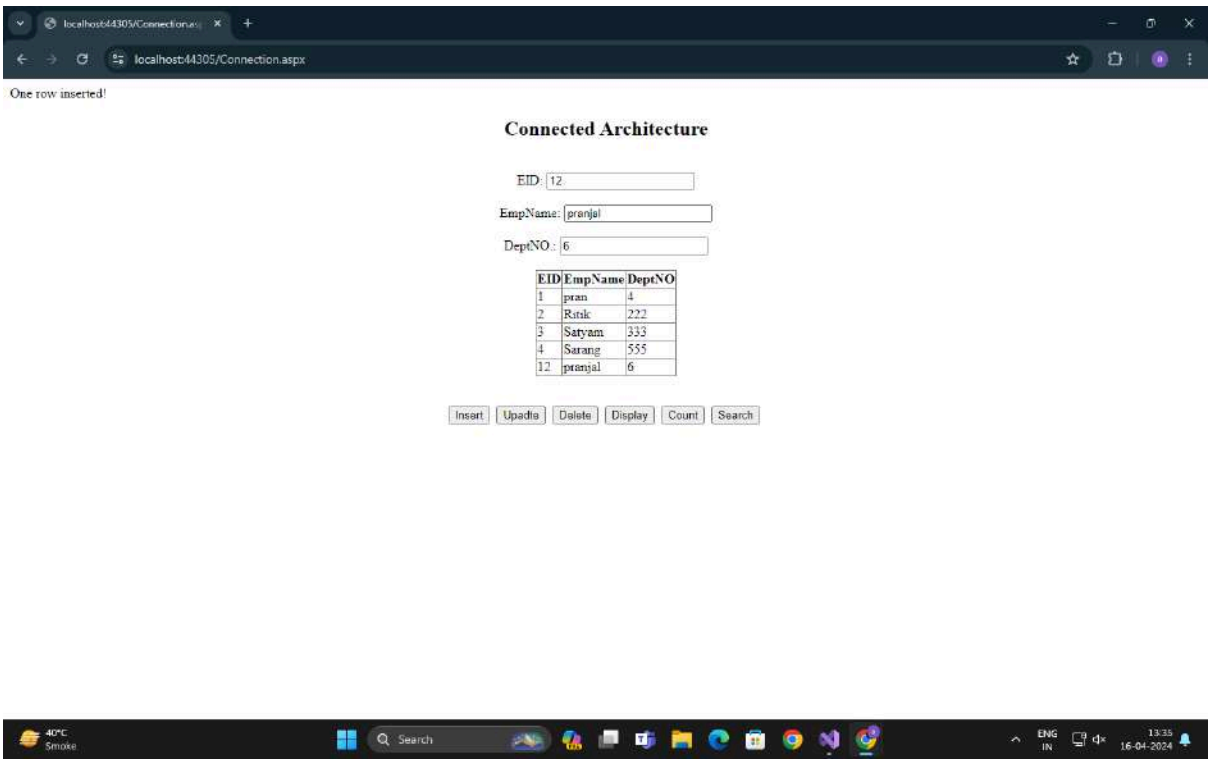
```
using System;
using System.Collections.Generic;
using System.Data.SqlClient;
using System.Data;
using System.Linq;
using System.Web;
using System.Web.UI;
```

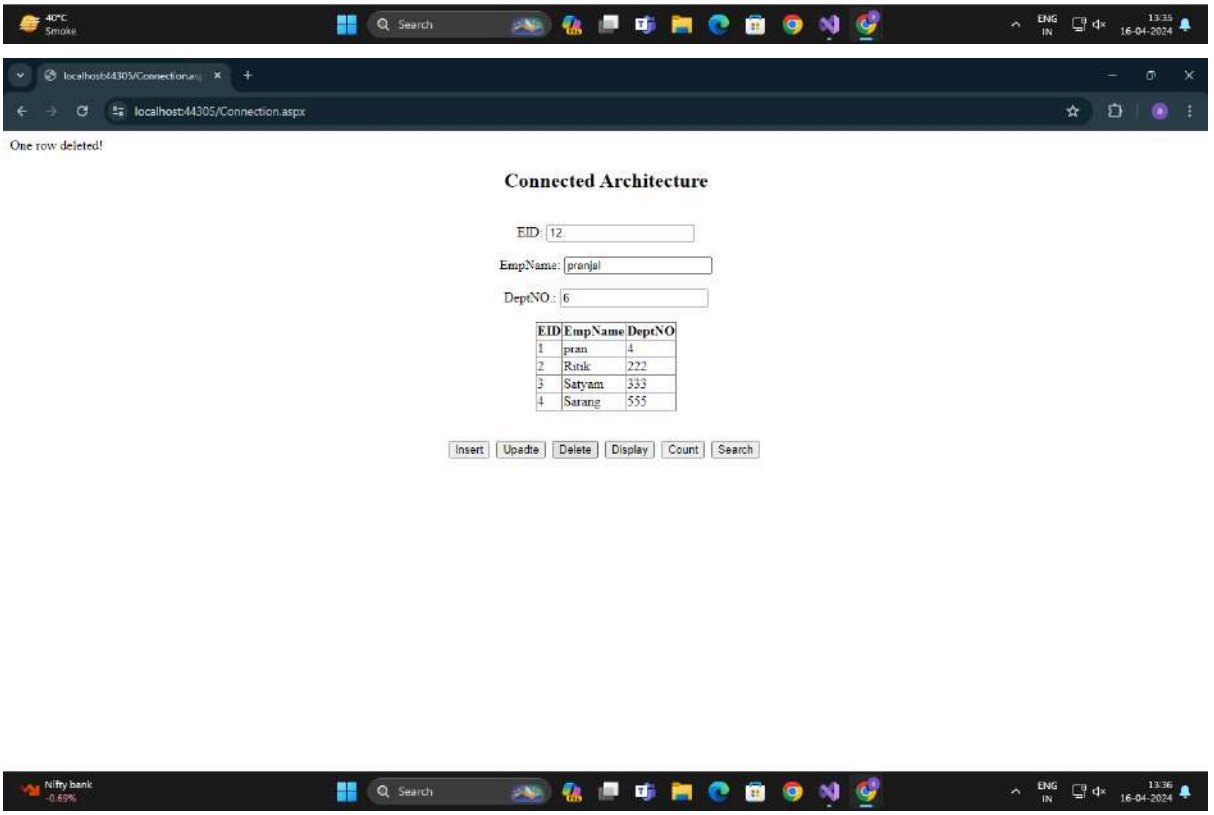
```
using System.Web.UI.WebControls;
using static System.Net.Mime.MediaTypeNames;
using System.Xml.Linq;

namespace Connection
{
    public partial class Connection : System.Web.UI.Page
    {
        SqlConnection conn;
        SqlCommand cmd;
        SqlDataReader dr;
        protected void Page_Load(object sender, EventArgs e)
        {
            conn = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Student\Document
s\B238DB.mdf;Integrated Security=True;Connect Timeout=30 ");
        }
        public void Display()
        {
            conn.Open();
            cmd = new SqlCommand("select * from Employee", conn);
            dr = cmd.ExecuteReader();
            //DataTable dt = new DataTable();
            //dt.Load(dr);
            GridView1.DataSource = dr;
            GridView1.DataBind();
            conn.Close();
        }
        protected void Button1_Click(object sender, EventArgs e)
        {
            conn.Open();

            cmd = new SqlCommand("INSERT INTO Employee(EID,EmpName,DeptNO)
VALUES ('" + TextBox1.Text + "','" + TextBox2.Text + "','" + TextBox3.Text + "')",
conn);

            cmd.ExecuteNonQuery();

            Response.Write("One row inserted!");

            conn.Close();

            Display();
        }
        protected void Button2_Click(object sender, EventArgs e)
        {
            conn.Open();
```

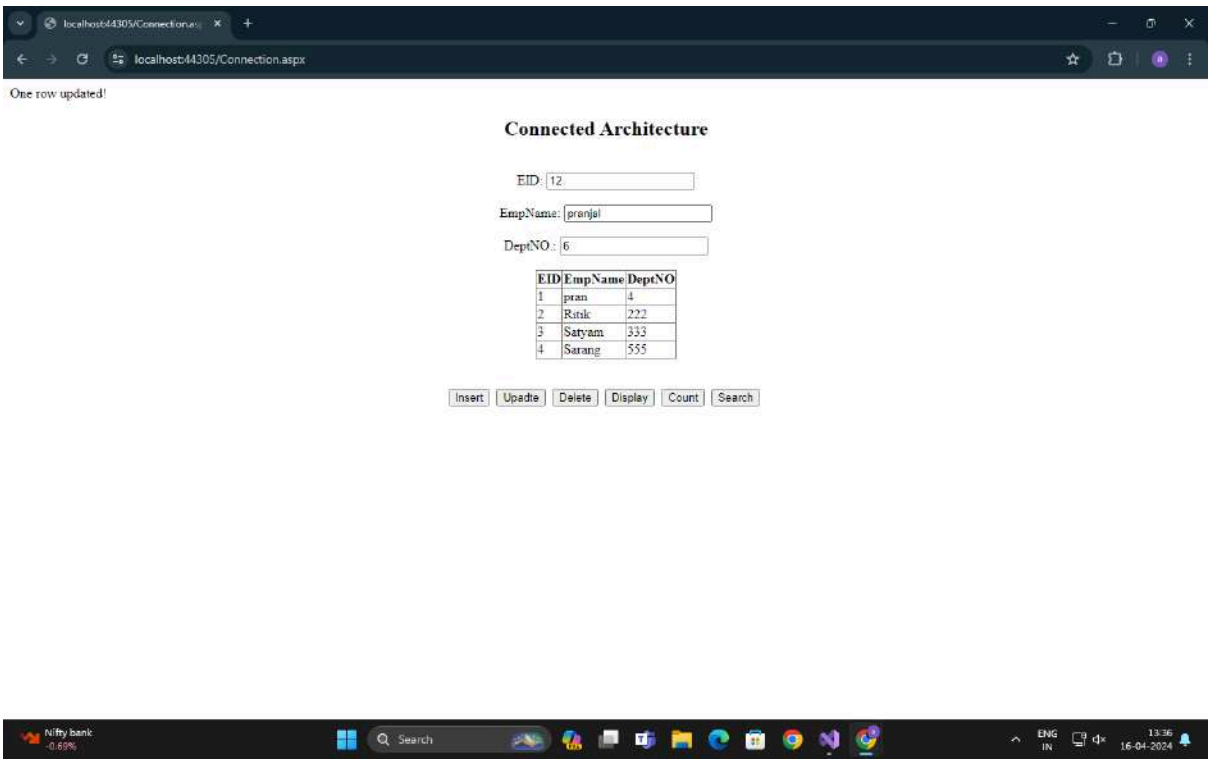
```
            string updateSql = "UPDATE Employee SET EmpName = '" + TextBox2.Text
+ "' ,DeptNO = '" + TextBox3.Text + "' WHERE EID = " + TextBox1.Text + ";";

            cmd = new SqlCommand(updateSql, conn);

            cmd.ExecuteNonQuery();

            Response.Write("One row updated!");

            conn.Close();

            Display();
        }
        protected void Button3_Click(object sender, EventArgs e)
        {
            conn.Open();

            string deleteSql = "DELETE FROM Employee WHERE EID = " +
TextBox1.Text + ";";

            cmd = new SqlCommand(deleteSql, conn);

            cmd.ExecuteNonQuery();

            Response.Write("One row deleted!");

            conn.Close();

            Display();
        }
        protected void Button4_Click(object sender, EventArgs e)
        {
            Display();
        }

        protected void Button6_Click(object sender, EventArgs e)
{
            conn.Open();

            cmd = new SqlCommand("SELECT * FROM EMPLOYEE WHERE EID = '" +
TextBox1.Text+"'", conn);
            cmd.CommandType = CommandType.Text;
            dr = cmd.ExecuteReader();
            GridView1.DataSource = dr;

            GridView1.DataBind();

            conn.Close();
```

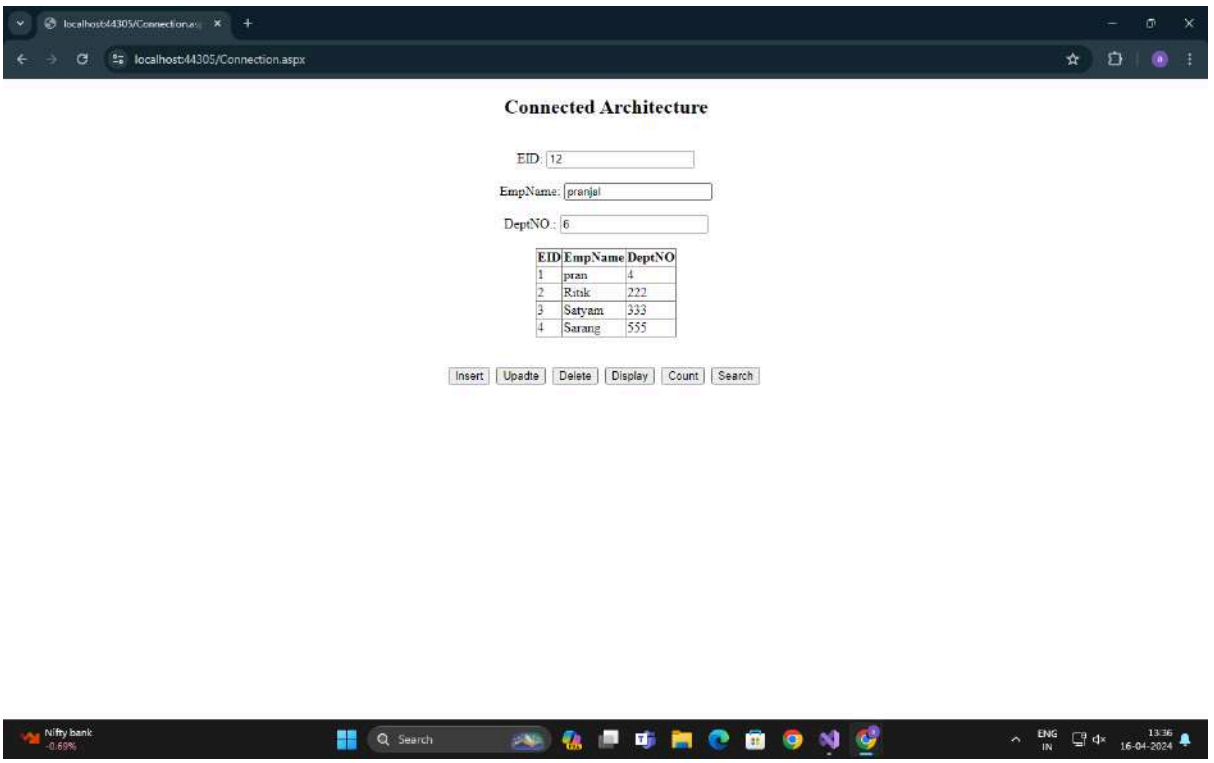
```
        }
        protected void Button5_Click(object sender, EventArgs e)
        {
            conn.Open();
            cmd = new SqlCommand("select Count(*) from Employee", conn);
            int a = (int)cmd.ExecuteScalar();
            Response.Write("Total Record: " + a.ToString());
            conn.Close();
        }
    }
}
```

Output:

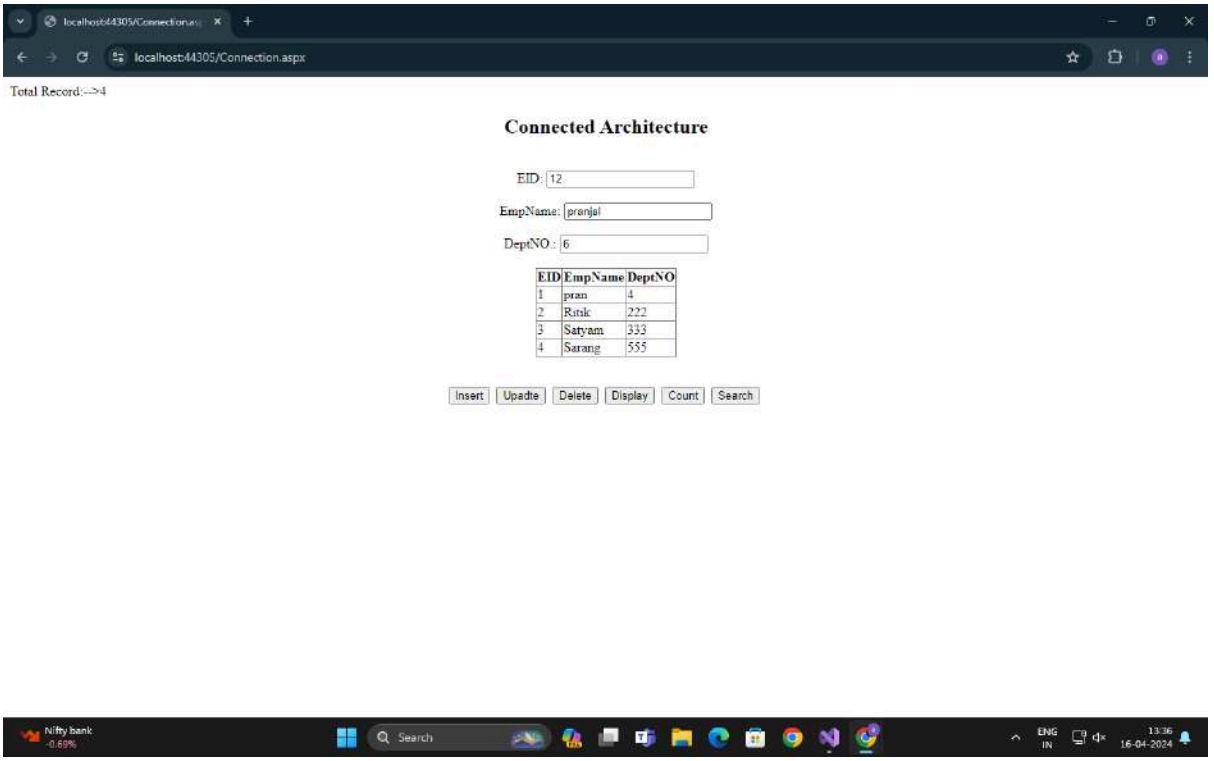

localhost:44305/Connection.aspx
One row inserted!
Connected Architecture
EID: 12
EmpName: pranjal
DeptNO.: 6
EID EmpName DeptNO
1 pran 4
2 Ritik 222
3 Satyam 333
4 Sarang 555
12 pranjal 6
Insert Upadte Delete Display Count Search


localhost:44305/Connection.aspx
One row deleted!
Connected Architecture
EID: 12
EmpName: pranjal
DeptNO.: 6
EID EmpName DeptNO
1 pran 4
2 Ritik 222
3 Satyam 333
4 Sarang 555
Insert Upadte Delete Display Count Search

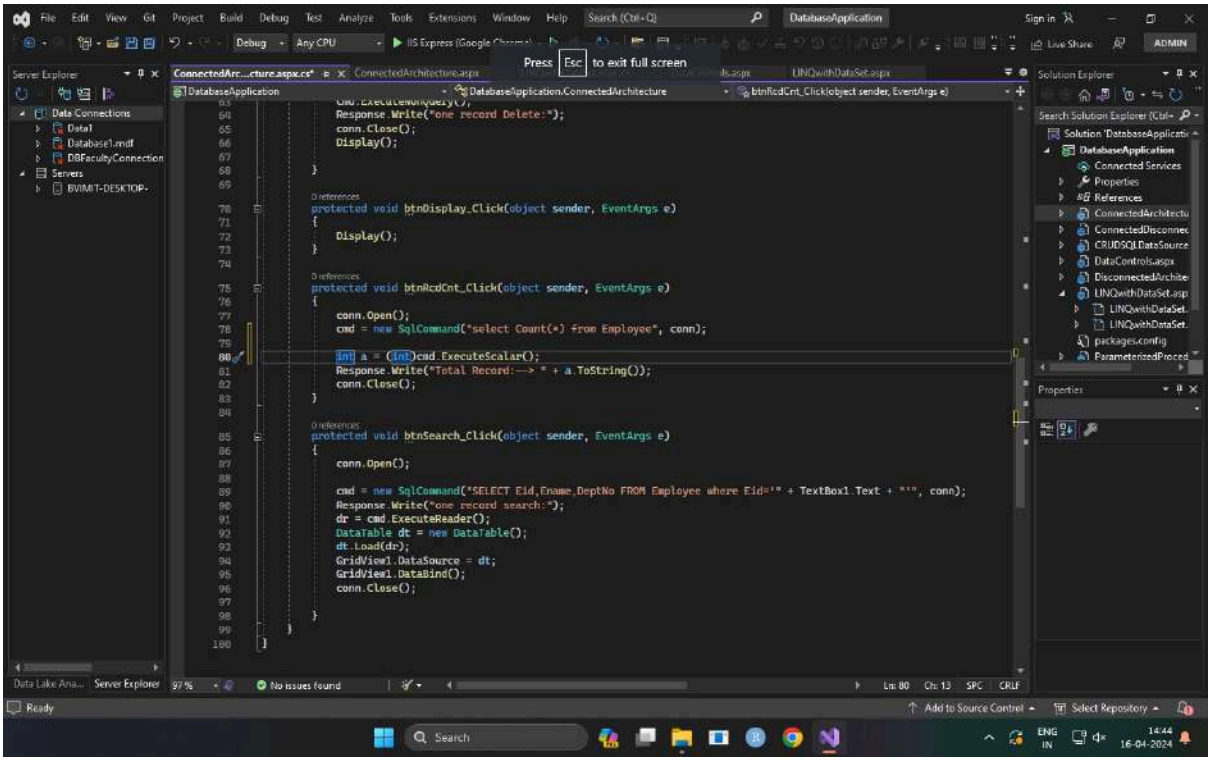

localhost:44305/Connection.aspx
One row updated!
Connected Architecture
EID: 12
EmpName: pranjal
DeptNO.: 6
EID EmpName DeptNO
1 pran 4
2 Ritik 222
3 Satyam 333
4 Sarang 555
Insert
Upadte
Delete
Display
Count
Search

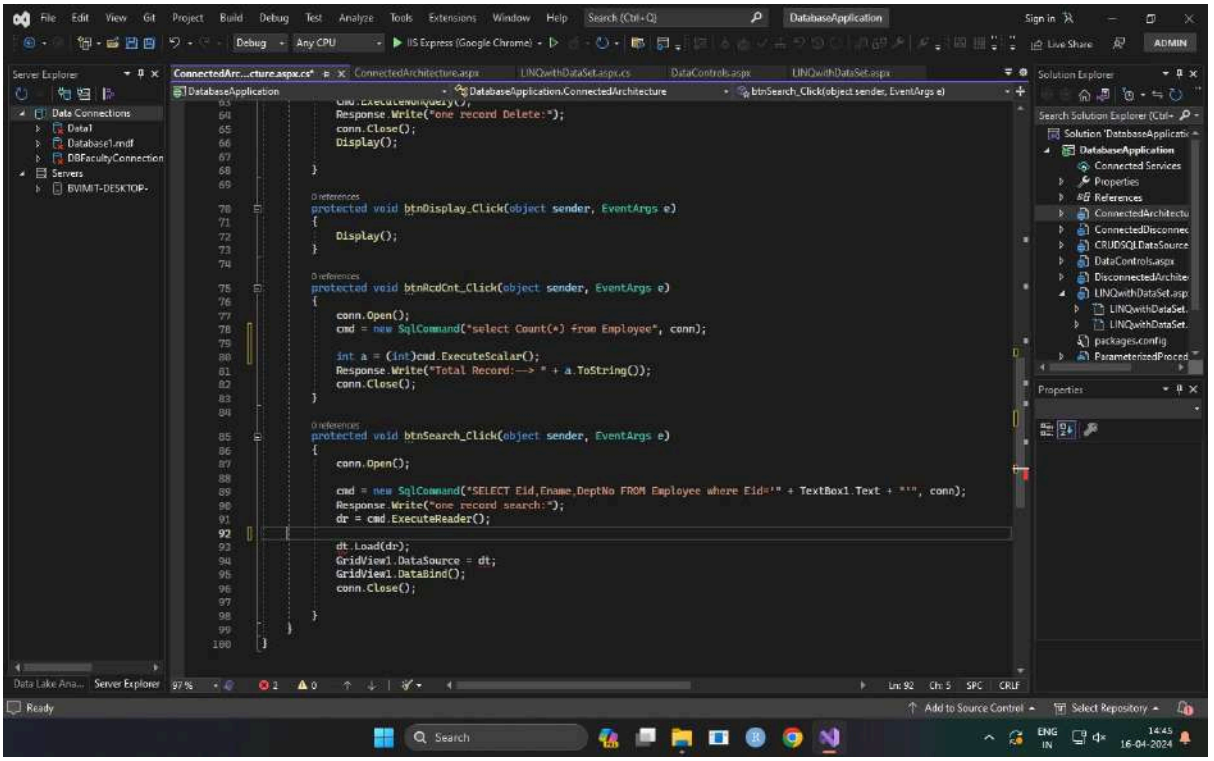

localhost:44305/Connection.aspx
Connected Architecture
EID: 12
EmpName: pranjal
DeptNO.: 6
EID EmpName DeptNO
1 pran 4
2 Ritik 222
3 Satyam 333
4 Sarang 555
Insert Upadte Delete Display Count Search

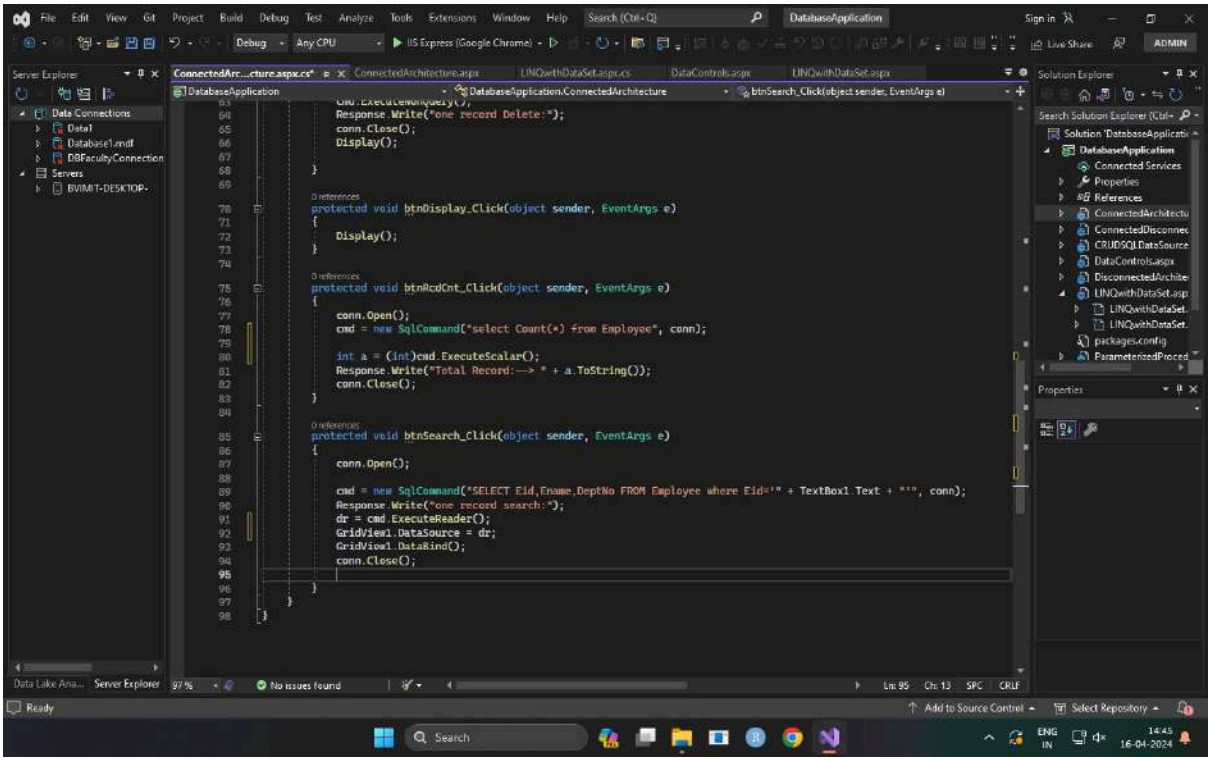
Nifty bank
-0.69%
Search
ENG
IN
13:36
16-04-2024


localhost:44305/Connection.aspx
Total Record:-->4
Connected Architecture
EID: 12
EmpName: pranjal
DeptNO.: 6
EID EmpName DeptNO
1 pran 4
2 Ritik 222
3 Satyam 333
4 Sarang 555
Insert Upadte Delete Display Count Search

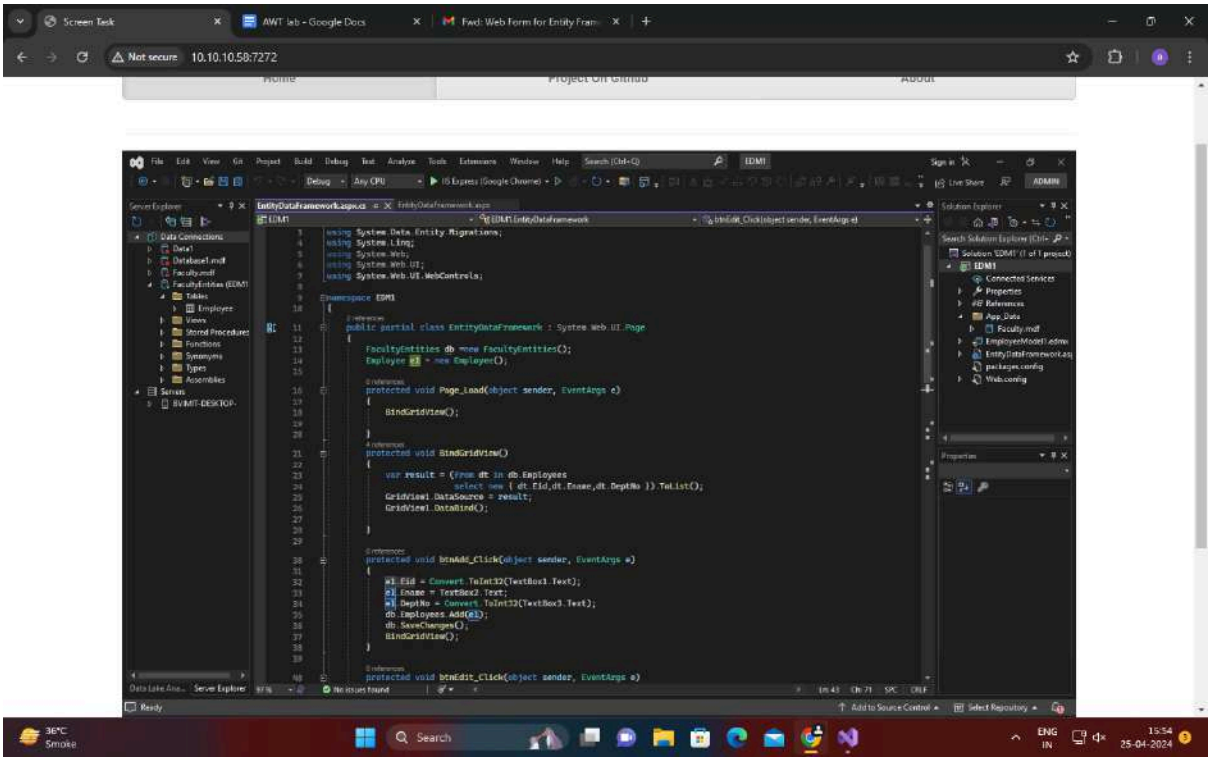
Nifty bank
-0.69%
Search
ENG
IN
13:36
16-04-2024

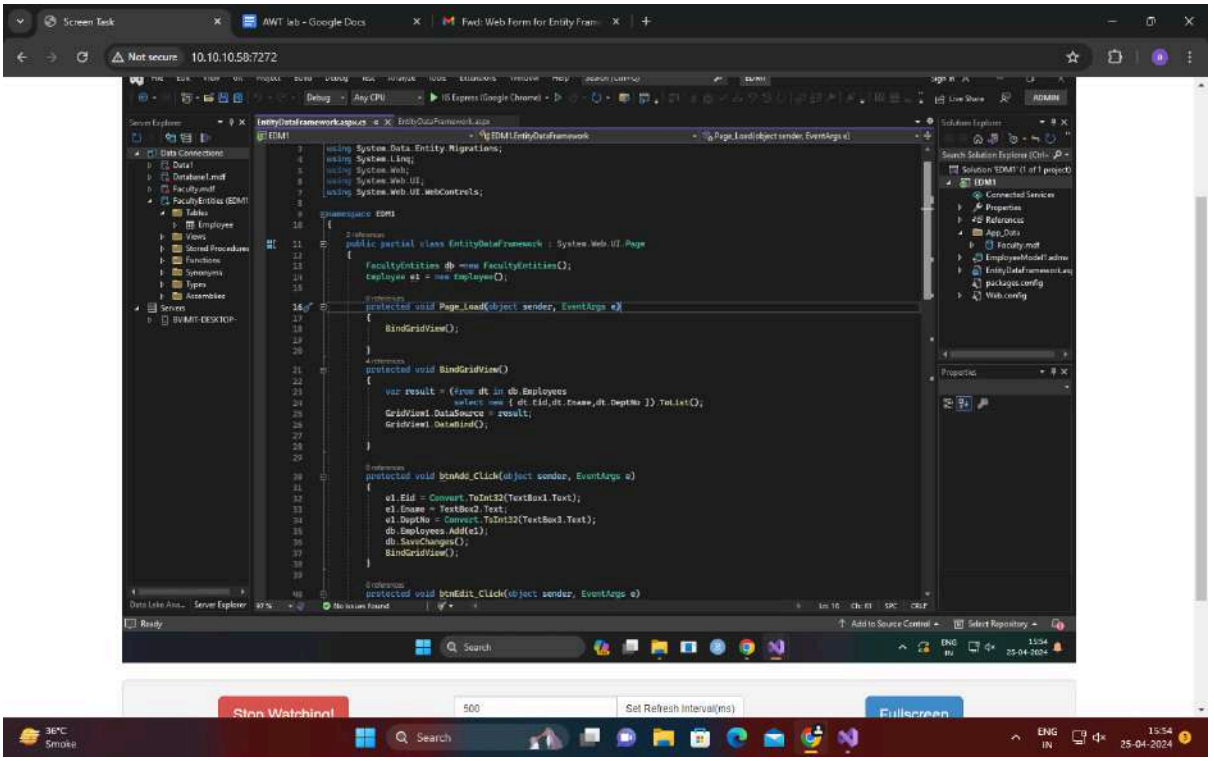

Press Esc to exit full screen
Response.Write("one record Delete:");
conn.Close();
Display();
protected void btnDisplay_Click(object sender, EventArgs e)
Display();
protected void btnRcdCnt_Click(object sender, EventArgs e)
conn.Open();
cmd = new SqlCommand("select Count(*) from Employee", conn);
int a = (int)cmd.ExecuteScalar();
Response.Write("Total Record:--> " + a.ToString());
conn.Close();
protected void btnSearch_Click(object sender, EventArgs e)
conn.Open();
cmd = new SqlCommand("SELECT Eid,Ename,DeptNo FROM Employee where Eid='" + TextBox1.Text + "'", conn);
Response.Write("one record search:");
dr = cmd.ExecuteReader();
DataTable dt = new DataTable();
dt.Load(dr);
GridView1.DataSource = dt;
GridView1.DataBind();
conn.Close();





Missed last prac—---------
—---------25-4-24


Screen Task
AWT lab - Google Docs
Fwd: Web Form for Entity Fram
Not secure
10.10.10.58:7272
Home
Project On Github
About
EDM1
ADMIN
EntityDataFramework.aspx.cs
EntityDataFramework.aspx
using System.Data.Entity.Migrations;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace EDM1
public partial class EntityDataFramework : System.Web.UI.Page
FacultyEntities db =new FacultyEntities();
Employee e1 = new Employee();
protected void Page_Load(object sender, EventArgs e)
BindGridView();
protected void BindGridView()
var result = (from dt in db.Employees
select new { dt.Eid,dt.Ename,dt.DeptNo }).ToList();
GridView1.DataSource = result;
GridView1.DataBind();
protected void btnAdd_Click(object sender, EventArgs e)
e1.Eid = Convert.ToInt32(TextBox1.Text);
e1.Ename = TextBox2.Text;
e1.DeptNo = Convert.ToInt32(TextBox3.Text);
db.Employees.Add(e1);
db.SaveChanges();
BindGridView();
protected void btnEdit_Click(object sender, EventArgs e)
No issues found
Ready
Add to Source Control
Select Repository
36°C
Smoke
Search
ENG
IN
15:54
25-04-2024


Screen Task
AWT lab - Google Docs
Fwd: Web Form for Entity Fram
Not secure
10.10.10.58:7272
EDM1
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EntityDataFramework.aspx
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using System.Web.UI;
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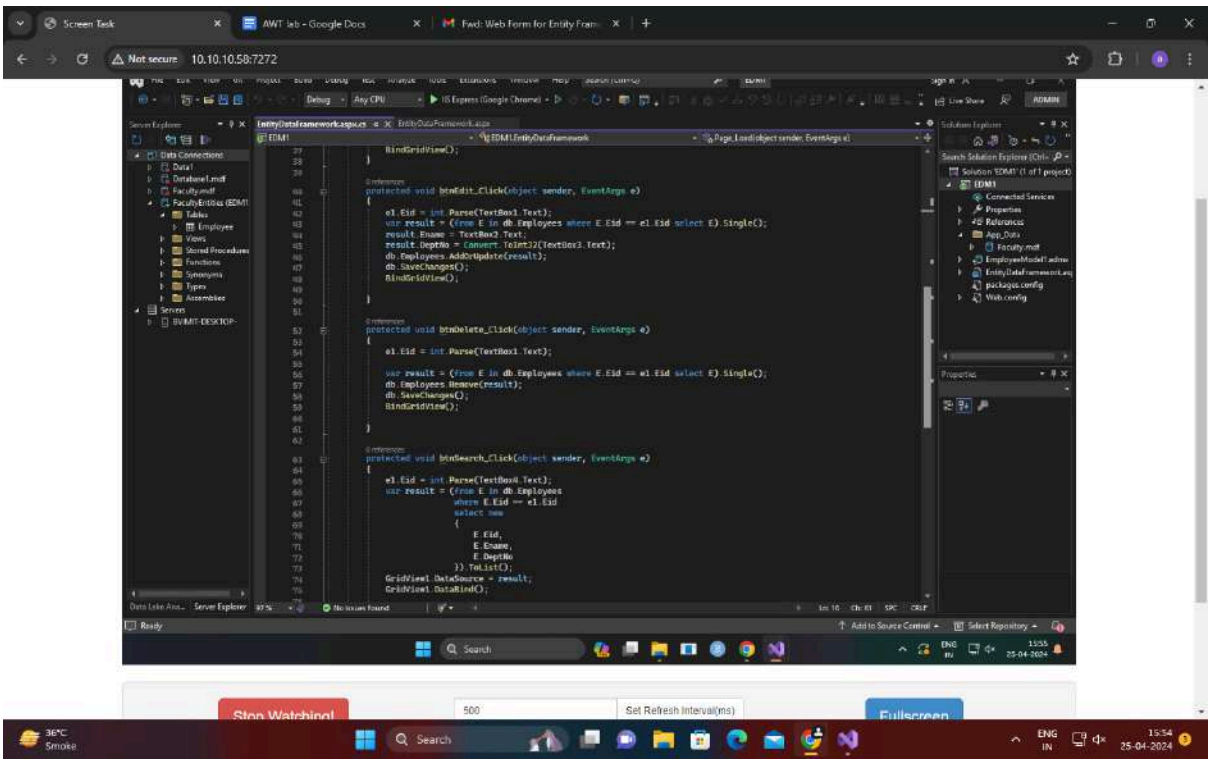
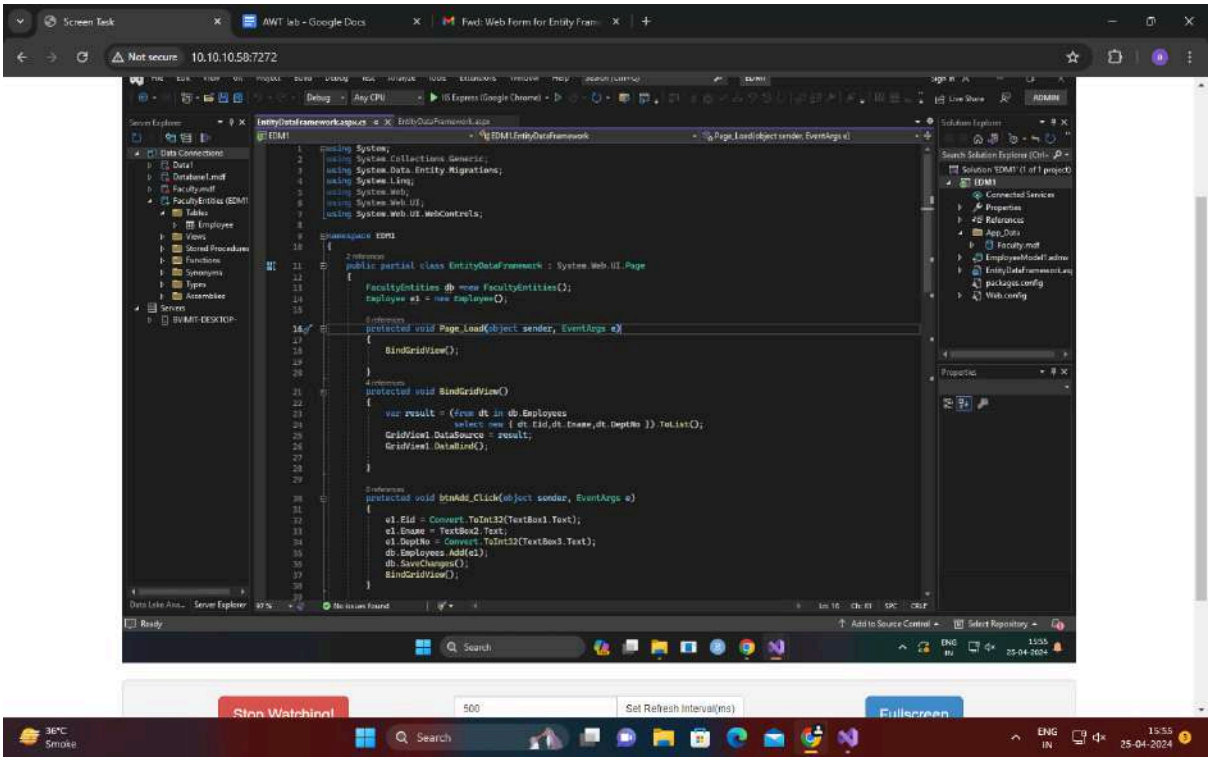
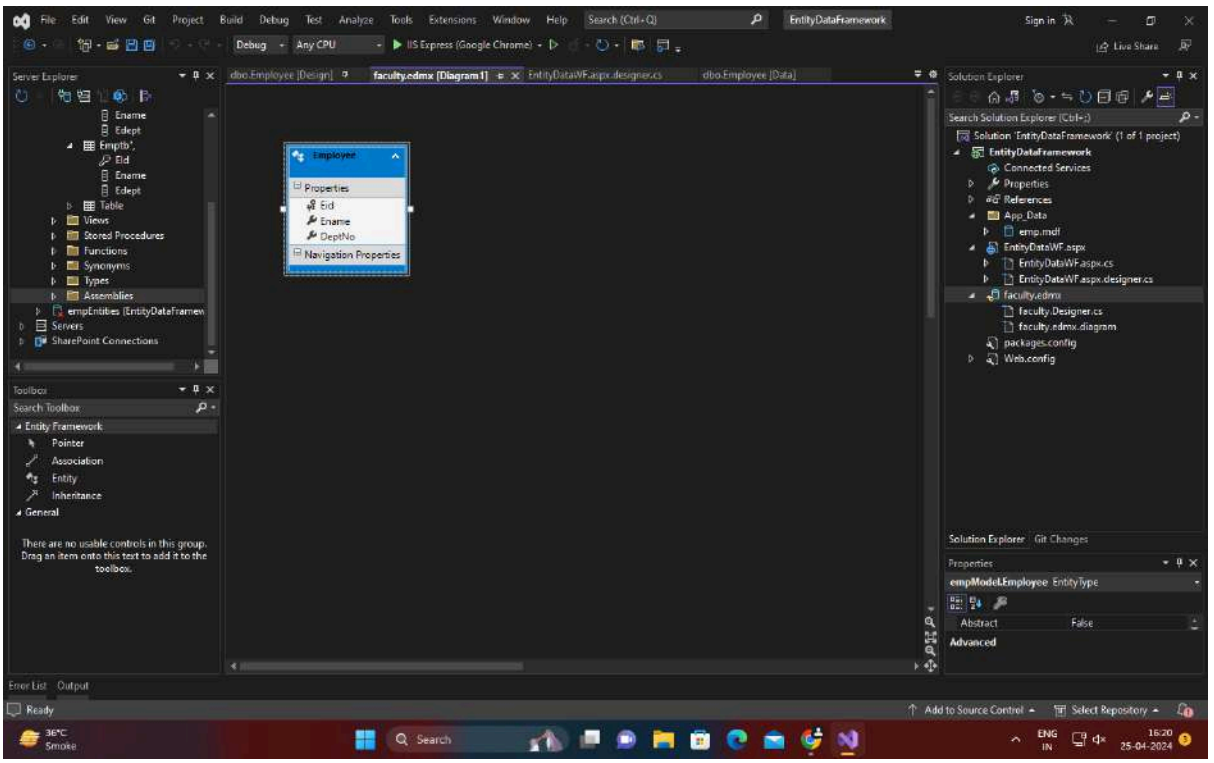
e1.Ename = TextBox2.Text;
e1.DeptNo = Convert.ToInt32(TextBox3.Text);
db.Employees.Add(e1);
db.SaveChanges();
BindGridView();
protected void btnEdit_Click(object sender, EventArgs e)
No issues found
Ready
Add to Source Control
Select Repository
Stop Watching!
500
Set Refresh Interval(ms)
Fullscreen
36°C
Smoke
Search
ENG
IN
15:54
25-04-2024





Right click on project name-> add-> new item-> left corner (DATA) -> ADO.NET Entity data model ->name the file-> add-> select EF designer as default-> next->entity framework 6.x -> next-> select your table name -> finish


File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
EntityDataFramework
Sign in
Live Share
Debug
Any CPU
IIS Express (Google Chrome)
Server Explorer
dbo.Employee [Design]
faculty.edmx [Diagram1]
EntityDataWF.aspx.designer.cs
dbo.Employee [Data]
Solution Explorer
Employee
Properties
Eid
Ename
DeptNo
Navigation Properties
Toolbox
Search Toolbox
Entity Framework
Pointer
Association
Entity
Inheritance
General
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
Solution 'EntityDataFramework' (1 of 1 project)
EntityDataFramework
Connected Services
Properties
References
App_Data
emp.mdf
EntityDataWF.aspx
EntityDataWF.aspx.cs
EntityDataWF.aspx.designer.cs
faculty.edmx
faculty.Designer.cs
faculty.edmx.diagram
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Web.config
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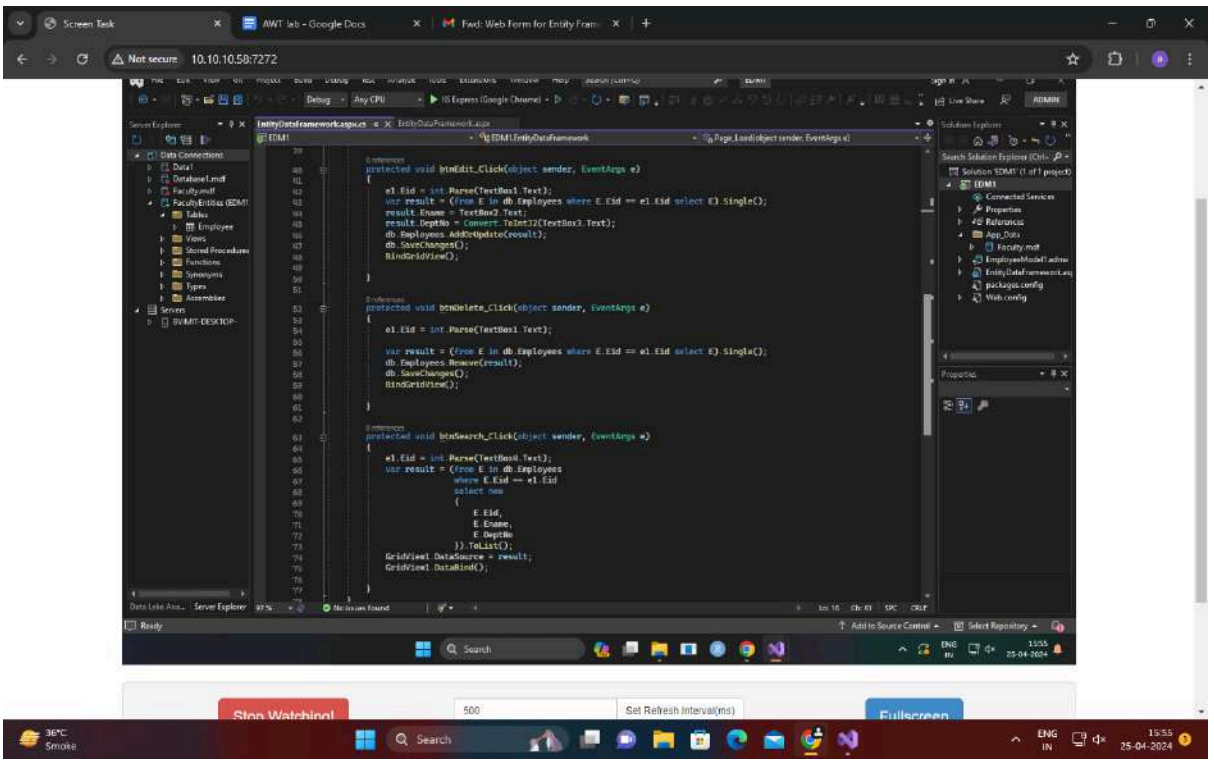
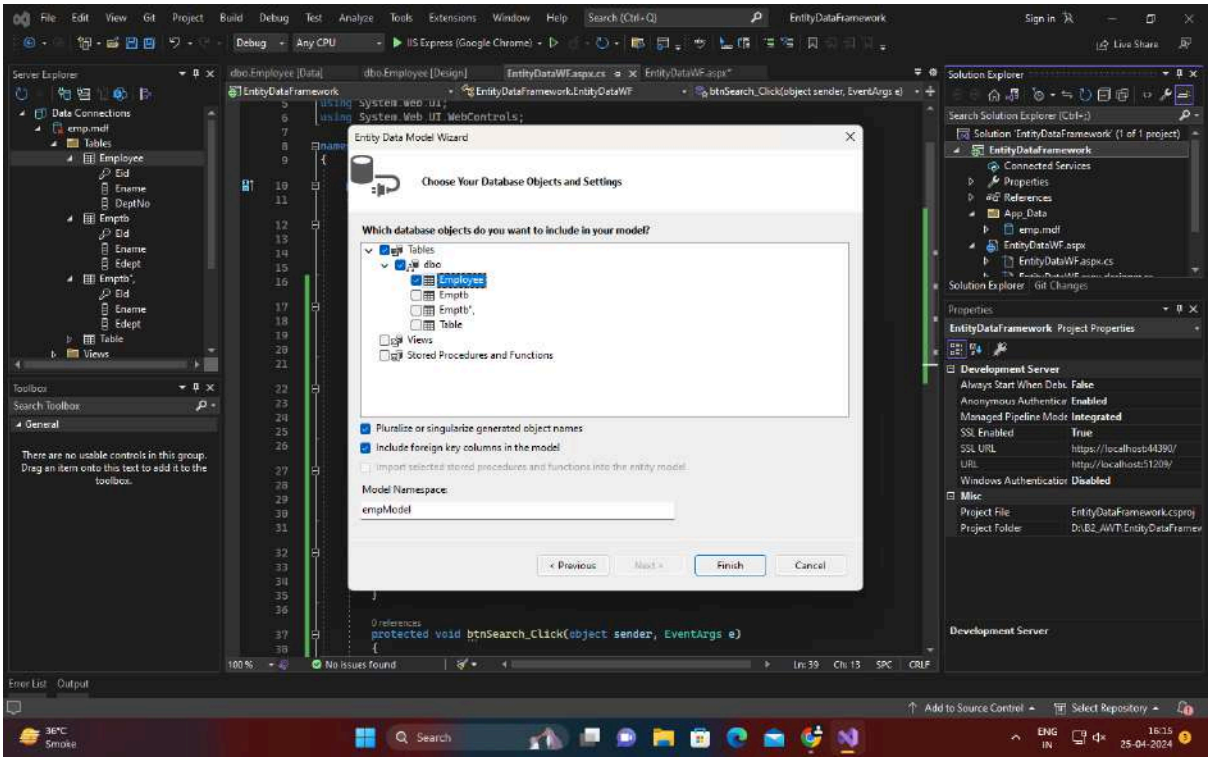
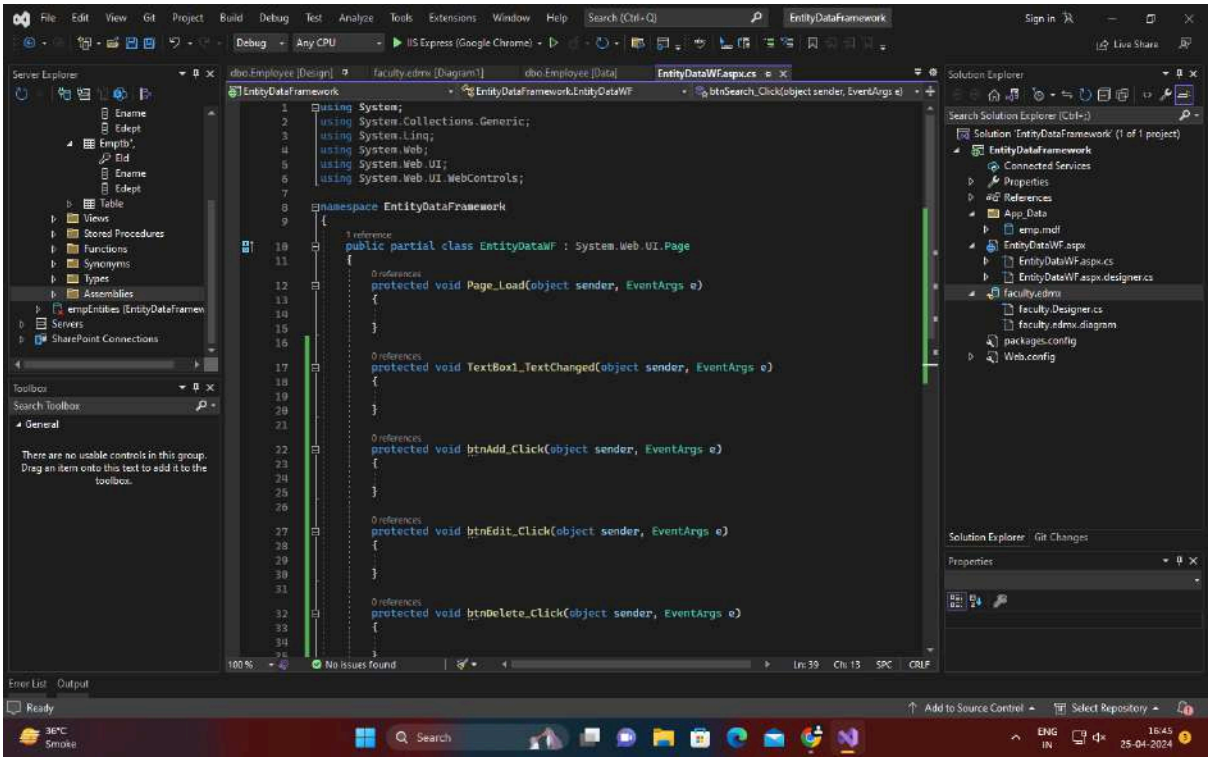
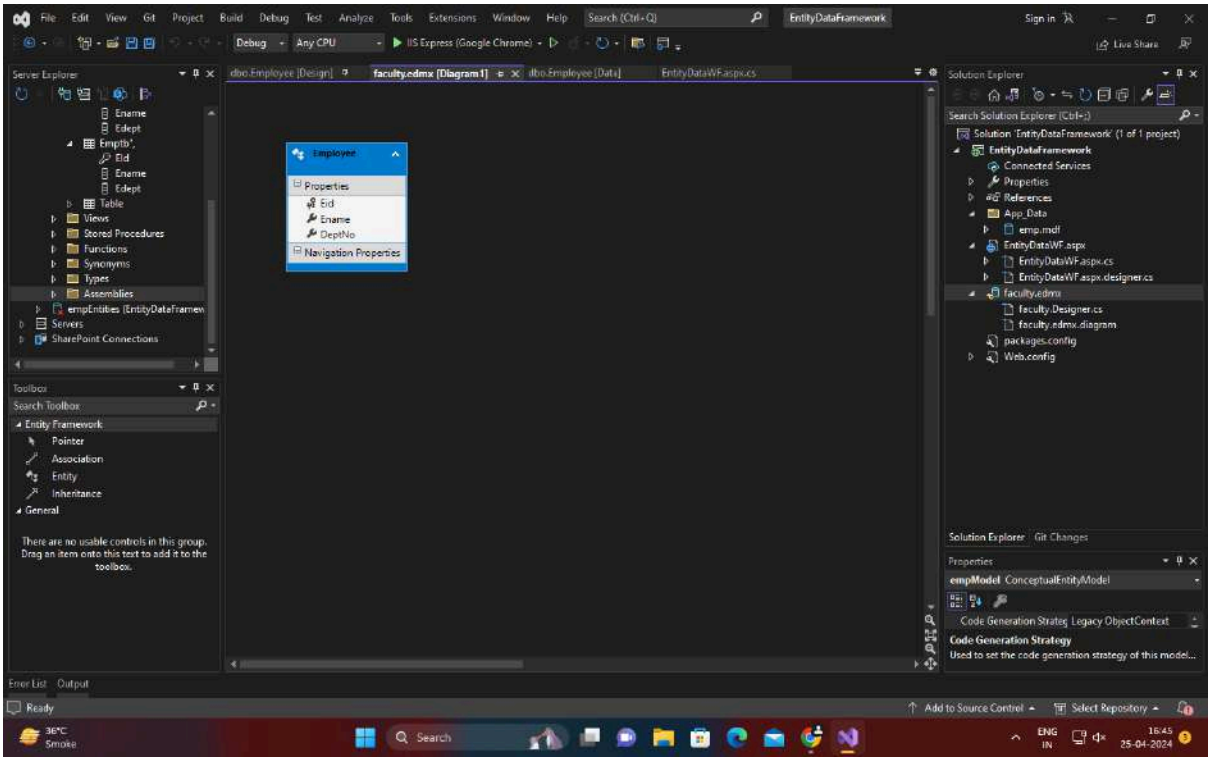
Git Changes
empModel.Employee EntityType
Abstract
False
Advanced
Error List
Output
Ready
Add to Source Control
Select Repository
36°C
Smoke
Search
ENG
IN
16:20
25-04-2024

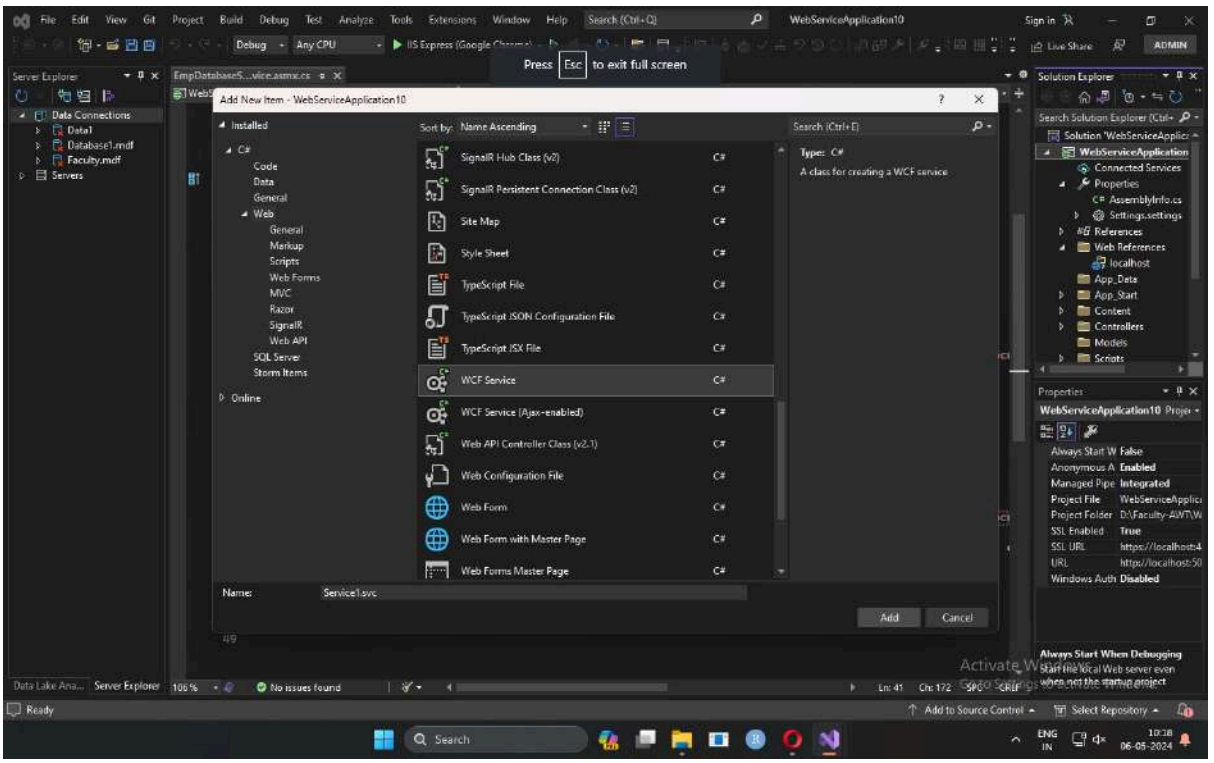

Not secure 10.10.10.58:7272
protected void btnEdit_Click(object sender, EventArgs e)
protected void btnDelete_Click(object sender, EventArgs e)
protected void btnSearch_Click(object sender, EventArgs e)
Stop Watching!
500
Set Refresh Interval(ms)
Fullscreen

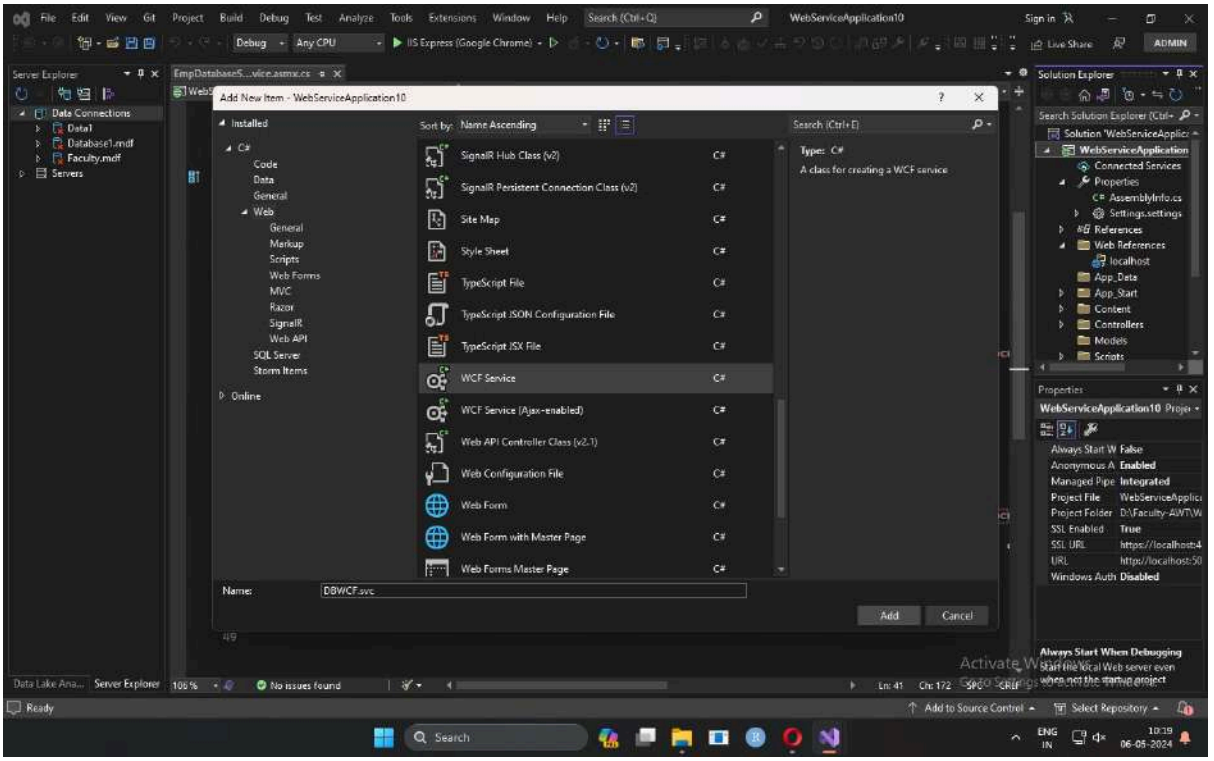

Entity Data Model Wizard
Choose Your Database Objects and Settings
Which database objects do you want to include in your model?
Tables
dbo
Employee
Emptb
Emptb',
Table
Views
Stored Procedures and Functions
Pluralize or singularize generated object names
Include foreign key columns in the model
Import selected stored procedures and functions into the entity model
Model Namespace:
empModel
< Previous
Next >
Finish
Cancel
protected void btnSearch_Click(object sender, EventArgs e)

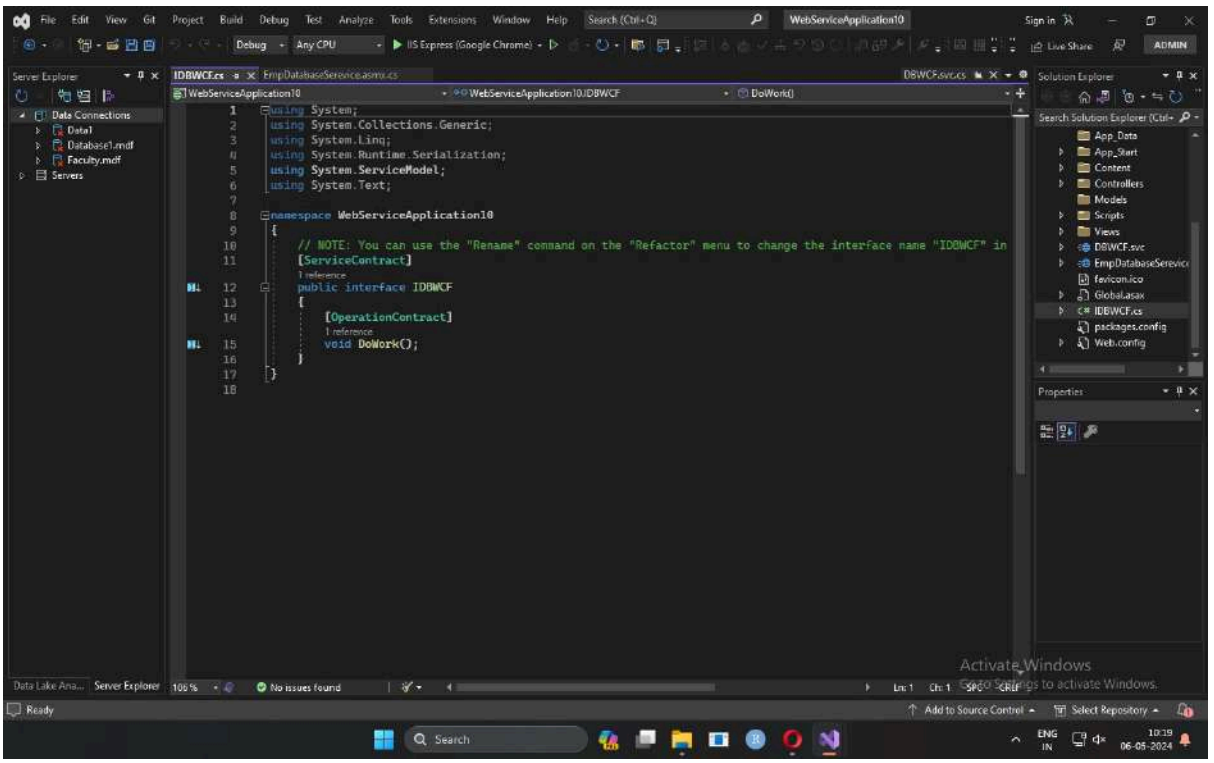




Simple web service vs wcf service?
Wcf -> layered architecture


Press Esc to exit full screen
Add New Item - WebServiceApplication10
Installed
Sort by: Name Ascending
Search (Ctrl+E)
SignalR Hub Class (v2)
SignalR Persistent Connection Class (v2)
Site Map
Style Sheet
TypeScript File
TypeScript JSON Configuration File
TypeScript JSX File
WCF Service
WCF Service (Ajax-enabled)
Web API Controller Class (v2.1)
Web Configuration File
Web Form
Web Form with Master Page
Web Forms Master Page
Types: C#
A class for creating a WCF service
Name: Service1.svc
Add
Cancel


Add New Item - WebServiceApplication10
Installed
Sort by: Name Ascending
Search (Ctrl+E)
SignalR Hub Class (v2)
SignalR Persistent Connection Class (v2)
Site Map
Style Sheet
TypeScript File
TypeScript JSON Configuration File
TypeScript JSX File
WCF Service
WCF Service (Ajax-enabled)
Web API Controller Class (v2.1)
Web Configuration File
Web Form
Web Form with Master Page
Web Forms Master Page
Types: C#
A class for creating a WCF service
Name: DBWCF.svc
Add
Cancel


File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
WebServiceApplication10
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DBWCF.svc.cs
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Global.asax
IDBWCF.cs
packages.config
Web.config
Properties
using System;
using System.Collections.Generic;
using System.Linq;
using System.Runtime.Serialization;
using System.ServiceModel;
using System.Text;
namespace WebServiceApplication10
{
// NOTE: You can use the "Rename" command on the "Refactor" menu to change the interface name "IDBWCF" in
[ServiceContract]
1 reference
public interface IDBWCF
{
[OperationContract]
1 reference
void DoWork();
}
}
Activate Windows
Go to Settings to activate Windows.
Data Lake Ana...
Server Explorer
100 %
No issues found
Ln: 1
Ch: 1
SPC
CRLF
Ready
Add to Source Control
Select Repository
Search
ENG
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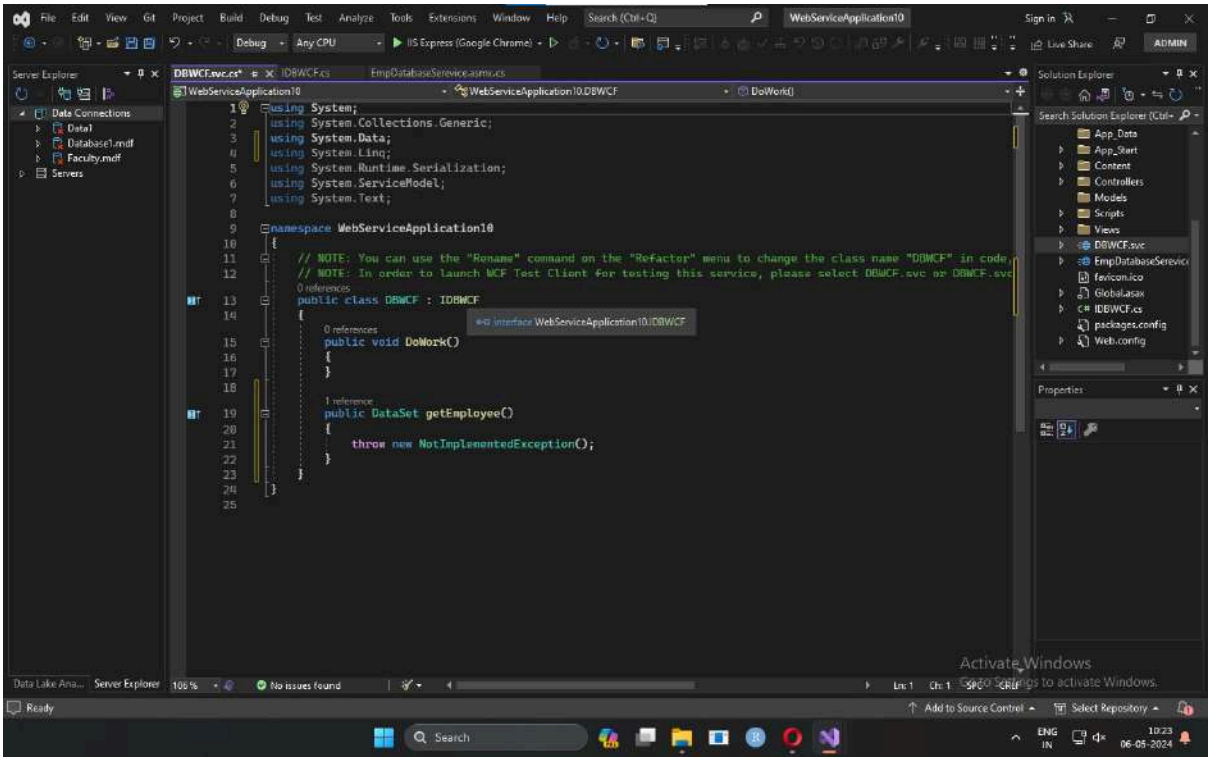
10:19
06-05-2024


File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
WebServiceApplication10
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IIS Express (Google Chrome)
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ADMIN
DBWCF.svc.cs*
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EmpDatabaseSereivce.asmx.cs
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WebServiceApplication10.DBWCF
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DBWCF.svc
EmpDatabaseSereivce
favicon.ico
Global.asax
IDBWCF.cs
packages.config
Web.config
Properties
using System;
using System.Collections.Generic;
using System.Data;
using System.Linq;
using System.Runtime.Serialization;
using System.ServiceModel;
using System.Text;
namespace WebServiceApplication10
{
// NOTE: You can use the "Rename" command on the "Refactor" menu to change the class name "DBWCF" in code,
// NOTE: In order to launch WCF Test Client for testing this service, please select DBWCF.svc or DBWCF.svc
0 references
public class DBWCF : IDBWCF
{
interface WebServiceApplication10.IDBWCF
0 references
public void DoWork()
{
}
1 reference
public DataSet getEmployee()
{
throw new NotImplementedException();
}
}
}
Activate Windows
Go to Settings to activate Windows.
Data Lake Ana...
Server Explorer
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No issues found
Ln: 1
Ch: 1
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Add to Source Control
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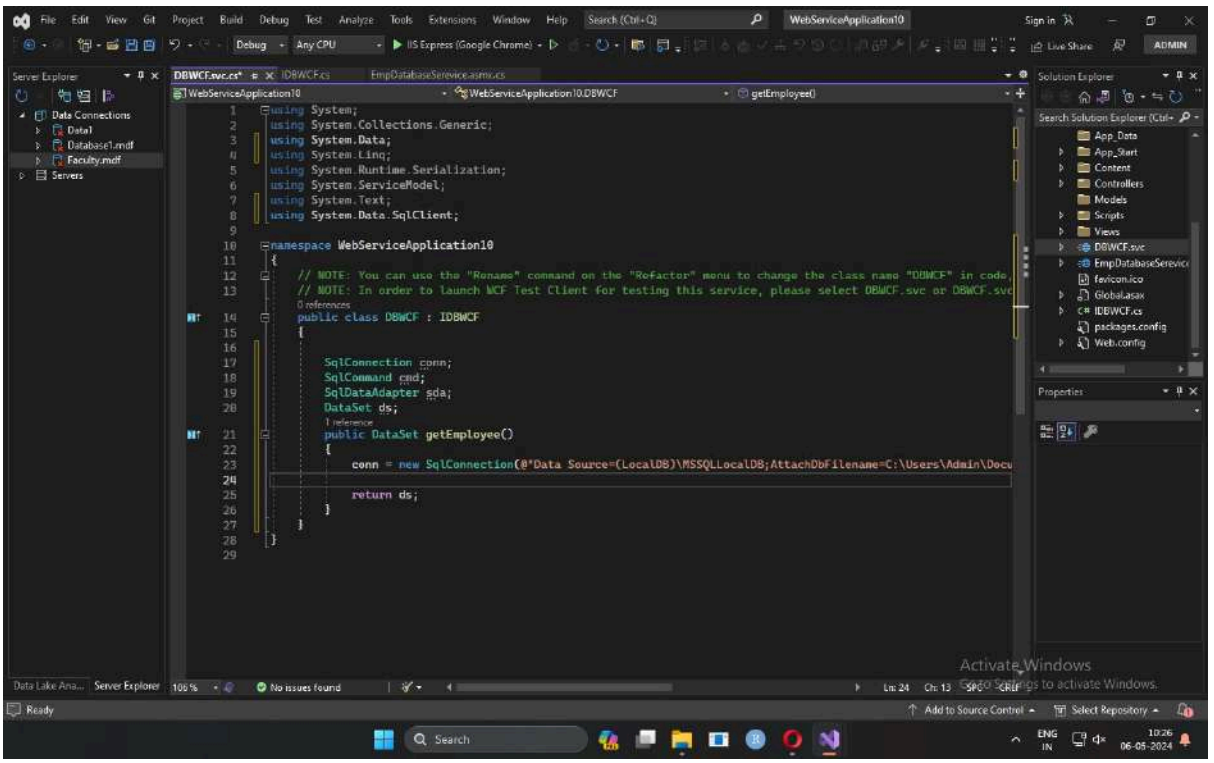
File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
WebServiceApplication10
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Live Share
Server Explorer
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Faculty.mdf
Servers
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IDBWCF.cs
EmpDatabaseSerevice.asmx.cs
WebServiceApplication10
WebServiceApplication10.DBWCF
getEmployee()
Solution Explorer
Search Solution Explorer (Ctrl+
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App_Start
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Models
Scripts
Views
DBWCF.svc
EmpDatabaseSerevic
favicon.ico
Global.asax
IDBWCF.cs
packages.config
Web.config
Properties
using System;
using System.Collections.Generic;
using System.Data;
using System.Linq;
using System.Runtime.Serialization;
using System.ServiceModel;
using System.Text;
using System.Data.SqlClient;
namespace WebServiceApplication10
{
// NOTE: You can use the "Rename" command on the "Refactor" menu to change the class name "DBWCF" in code,
// NOTE: In order to launch WCF Test Client for testing this service, please select DBWCF.svc or DBWCF.svc
0 references
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{
SqlConnection conn;
SqlCommand cmd;
SqlDataAdapter sda;
DataSet ds;
1 reference
public DataSet getEmployee()
{
conn = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Admin\Docu
return ds;
}
}
}
Activate Windows
Go to Settings to activate Windows.
Data Lake Ana...
Server Explorer
100 %
No issues found
Ln: 24
Ch: 13
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CRLF
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Add to Source Control
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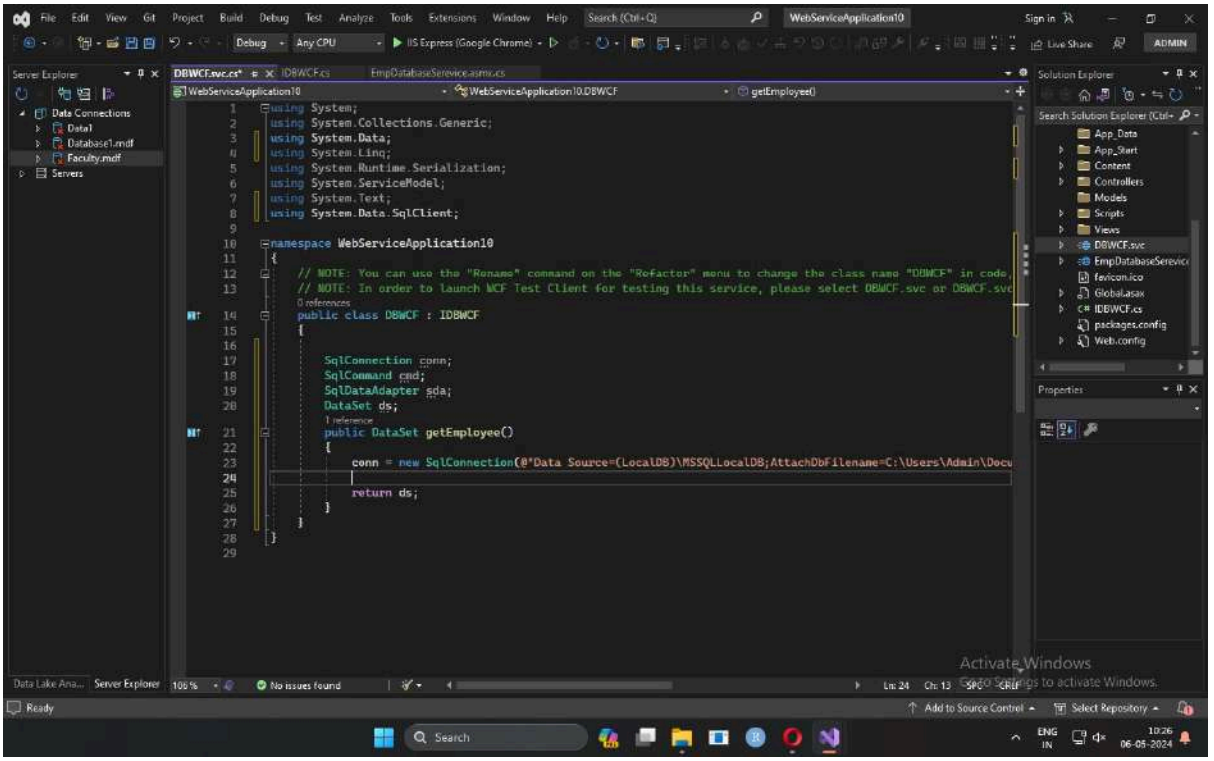
06-05-2024


File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
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WebServiceApplication10
Sign in
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IIS Express (Google Chrome)
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EmpDatabaseSerevice.asmx.cs
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WebServiceApplication10.DBWCF
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Solution Explorer
Search Solution Explorer (Ctrl+
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App_Start
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Scripts
Views
DBWCF.svc
EmpDatabaseSerevic
favicon.ico
Global.asax
IDBWCF.cs
packages.config
Web.config
Properties
using System;
using System.Collections.Generic;
using System.Data;
using System.Linq;
using System.Runtime.Serialization;
using System.ServiceModel;
using System.Text;
using System.Data.SqlClient;
namespace WebServiceApplication10
{
// NOTE: You can use the "Rename" command on the "Refactor" menu to change the class name "DBWCF" in code,
// NOTE: In order to launch WCF Test Client for testing this service, please select DBWCF.svc or DBWCF.svc
0 references
public class DBWCF : IDBWCF
{
SqlConnection conn;
SqlCommand cmd;
SqlDataAdapter sda;
DataSet ds;
1 reference
public DataSet getEmployee()
{
conn = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Admin\Docu
return ds;
}
}
}
Activate Windows
Go to Settings to activate Windows.
Data Lake Ana...
Server Explorer
100 %
No issues found
Ln: 24
Ch: 13
SPC
CRLF
Ready
Add to Source Control
Select Repository
Search
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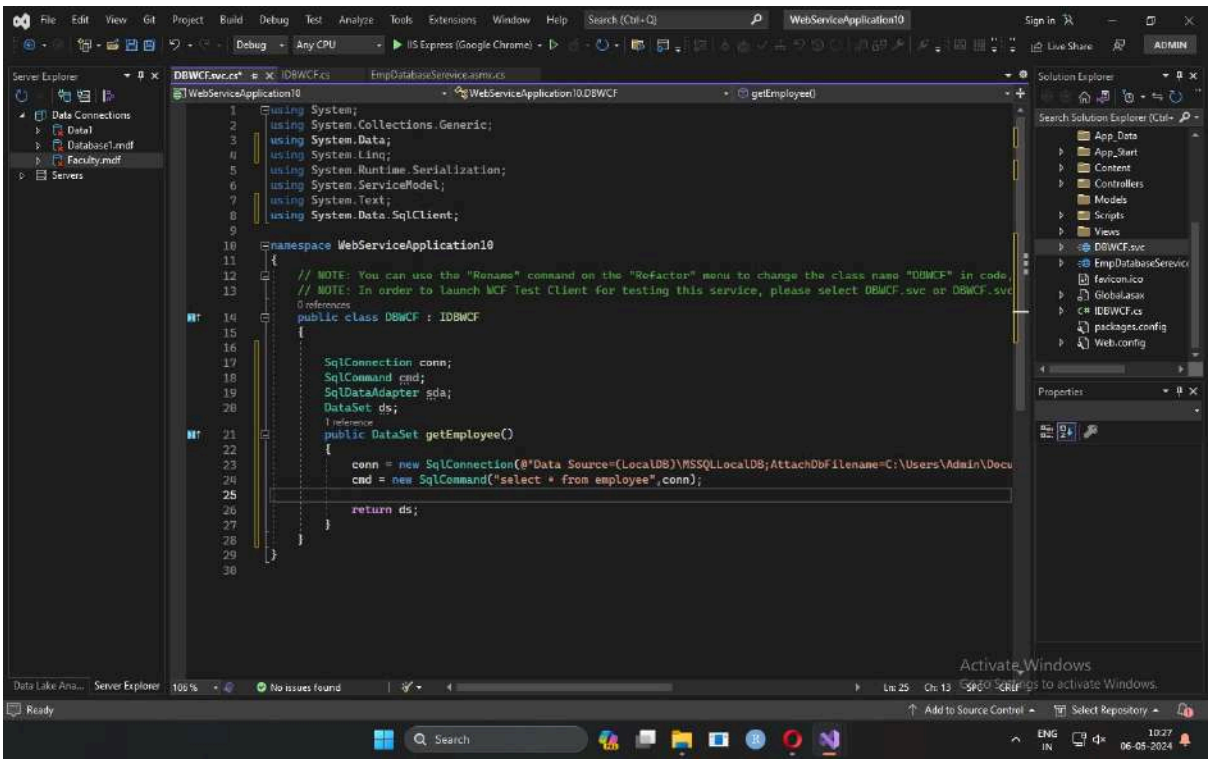
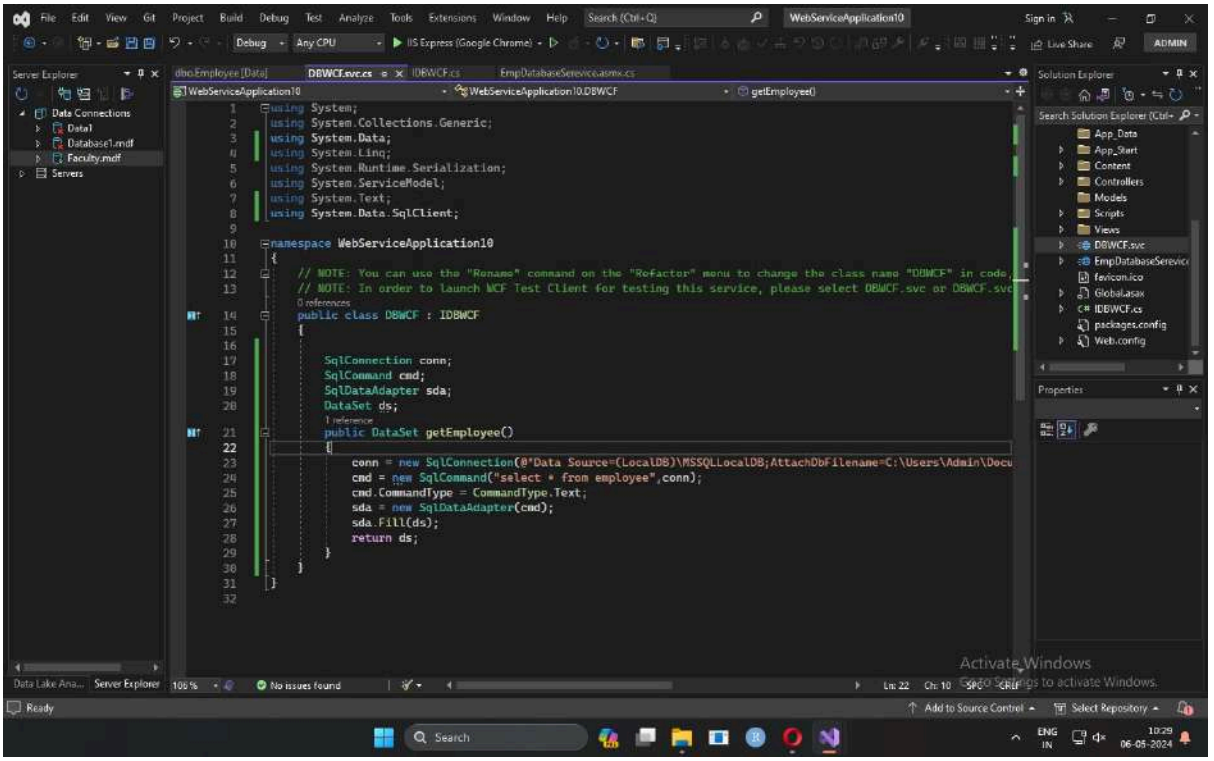
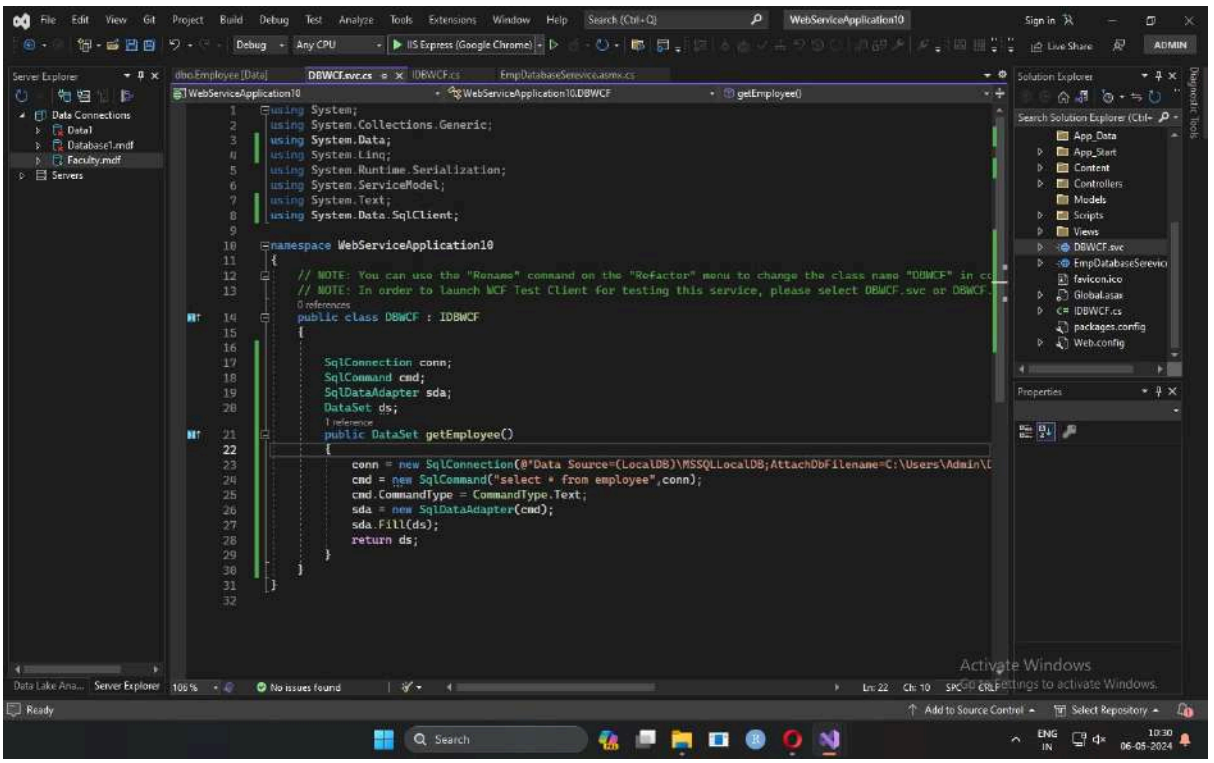
06-05-2024



```
using System;
using System.Collections.Generic;
using System.Data;
using System.Linq;
using System.Runtime.Serialization;
using System.ServiceModel;
using System.Text;
using System.Data.SqlClient;

namespace WebServiceApplication10
{
    // NOTE: You can use the "Rename" command on the "Refactor" menu to change the class name "DBWCF" in code,
    // NOTE: In order to launch WCF Test Client for testing this service, please select DBWCF.svc or DBWCF.svc
    0 references
    public class DBWCF : IDBWCF
    {

        SqlConnection conn;
        SqlCommand cmd;
        SqlDataAdapter sda;
        DataSet ds;
        1 reference
        public DataSet getEmployee()
        {
            conn = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Admin\Docu
            cmd = new SqlCommand("select * from employee",conn);

            return ds;
        }
    }
}
```



```
using System;
using System.Collections.Generic;
using System.Data;
using System.Linq;
using System.Runtime.Serialization;
using System.ServiceModel;
using System.Text;
using System.Data.SqlClient;

namespace WebServiceApplication10
{
    // NOTE: You can use the "Rename" command on the "Refactor" menu to change the class name "DBWCF" in code,
    // NOTE: In order to launch WCF Test Client for testing this service, please select DBWCF.svc or DBWCF.svc
    0 references
    public class DBWCF : IDBWCF
    {

        SqlConnection conn;
        SqlCommand cmd;
        SqlDataAdapter sda;
        DataSet ds;
        1 reference
        public DataSet getEmployee()
        {
            conn = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Admin\Docu
            cmd = new SqlCommand("select * from employee",conn);
            cmd.CommandType = CommandType.Text;
            sda = new SqlDataAdapter(cmd);
            sda.Fill(ds);
            return ds;
        }
    }
}
```


File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
WebServiceApplication10
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Data1
Database1.mdf
Faculty.mdf
Servers
dbo.Employee [Data]
DBWCF.svc.cs
IDBWCF.cs
EmpDatabaseService.asmx.cs
WebServiceApplication10.DBWCF
getEmployee()
using System;
using System.Collections.Generic;
using System.Data;
using System.Linq;
using System.Runtime.Serialization;
using System.ServiceModel;
using System.Text;
using System.Data.SqlClient;
namespace WebServiceApplication10
{
// NOTE: You can use the "Rename" command on the "Refactor" menu to change the class name "DBWCF" in co
// NOTE: In order to launch WCF Test Client for testing this service, please select DBWCF.svc or DBWCF.
0 references
public class DBWCF : IDBWCF
{
SqlConnection conn;
SqlCommand cmd;
SqlDataAdapter sda;
DataSet ds;
1 reference
public DataSet getEmployee()
{
conn = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Admin\D
cmd = new SqlCommand("select * from employee",conn);
cmd.CommandType = CommandType.Text;
sda = new SqlDataAdapter(cmd);
sda.Fill(ds);
return ds;
}
}
}
Solution Explorer
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App_Start
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Controllers
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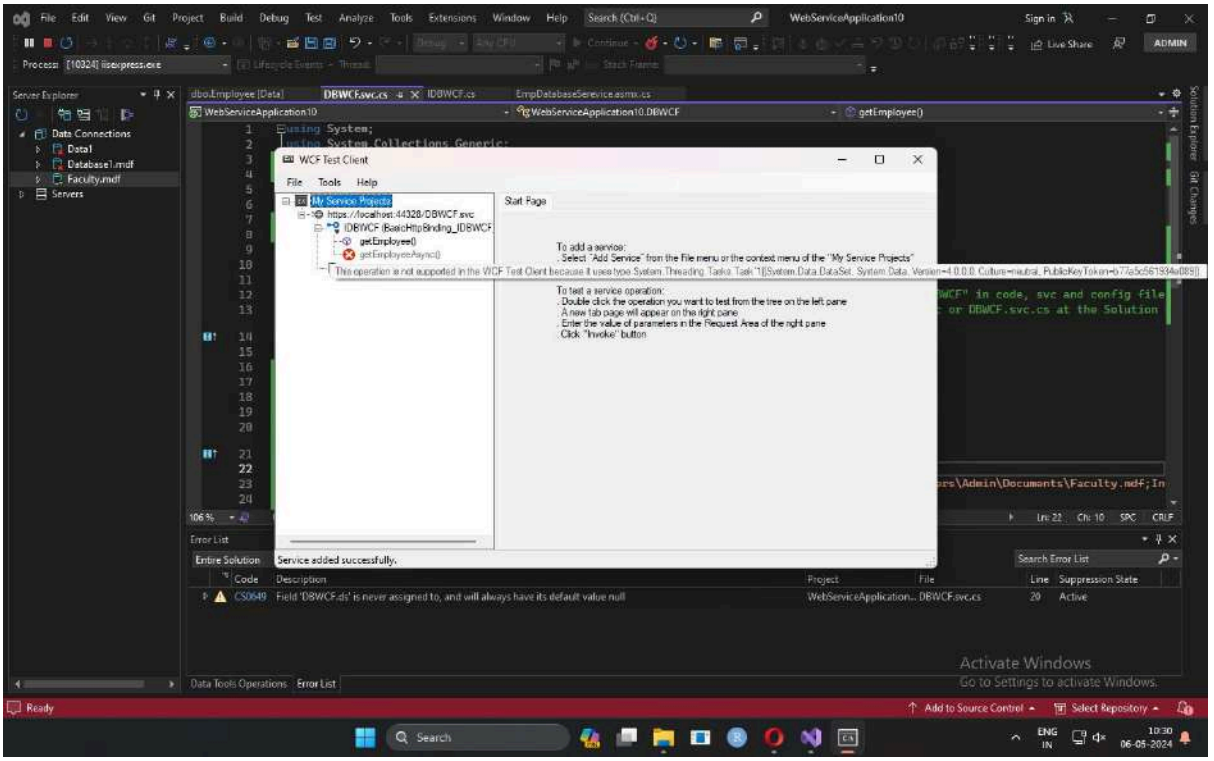
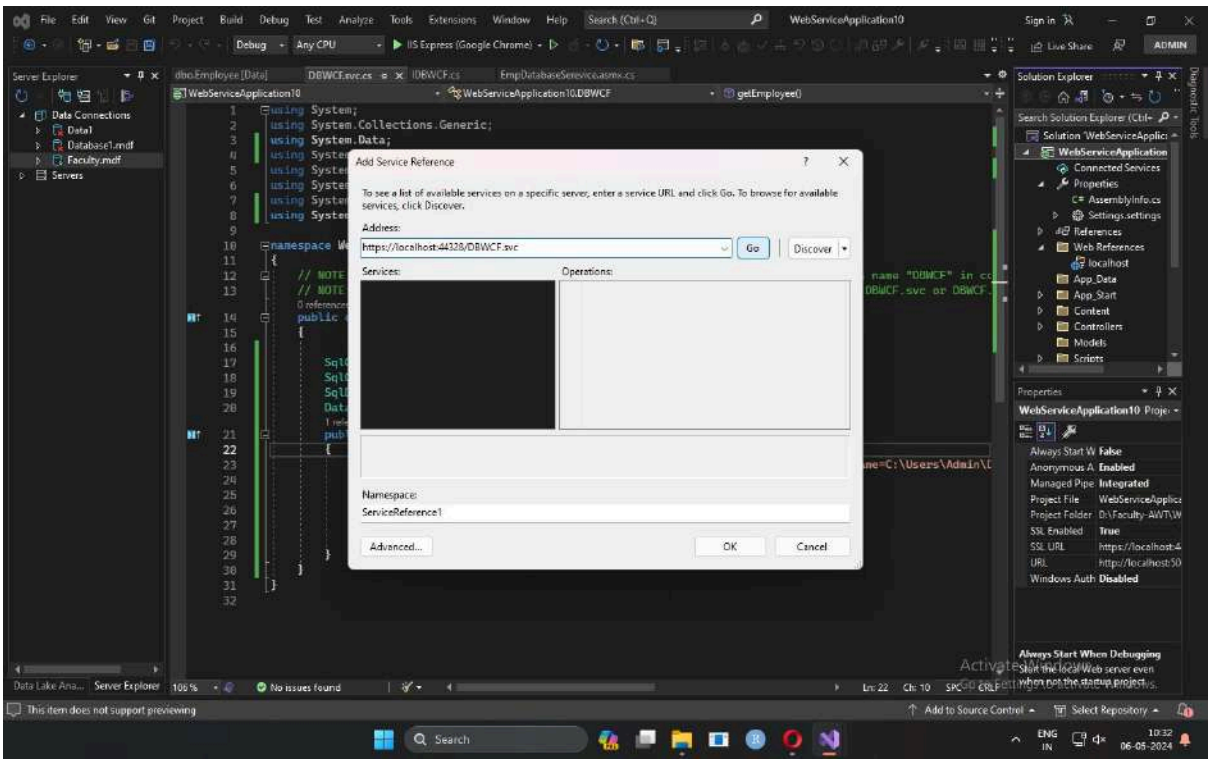
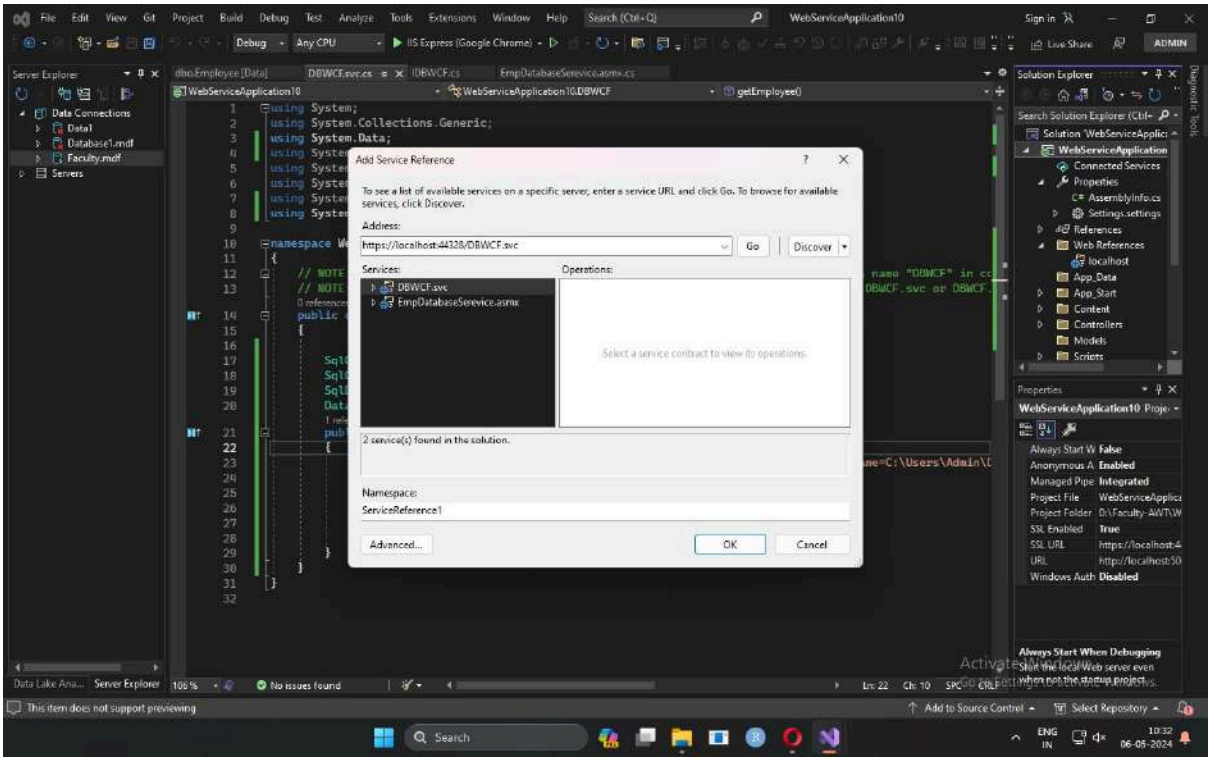
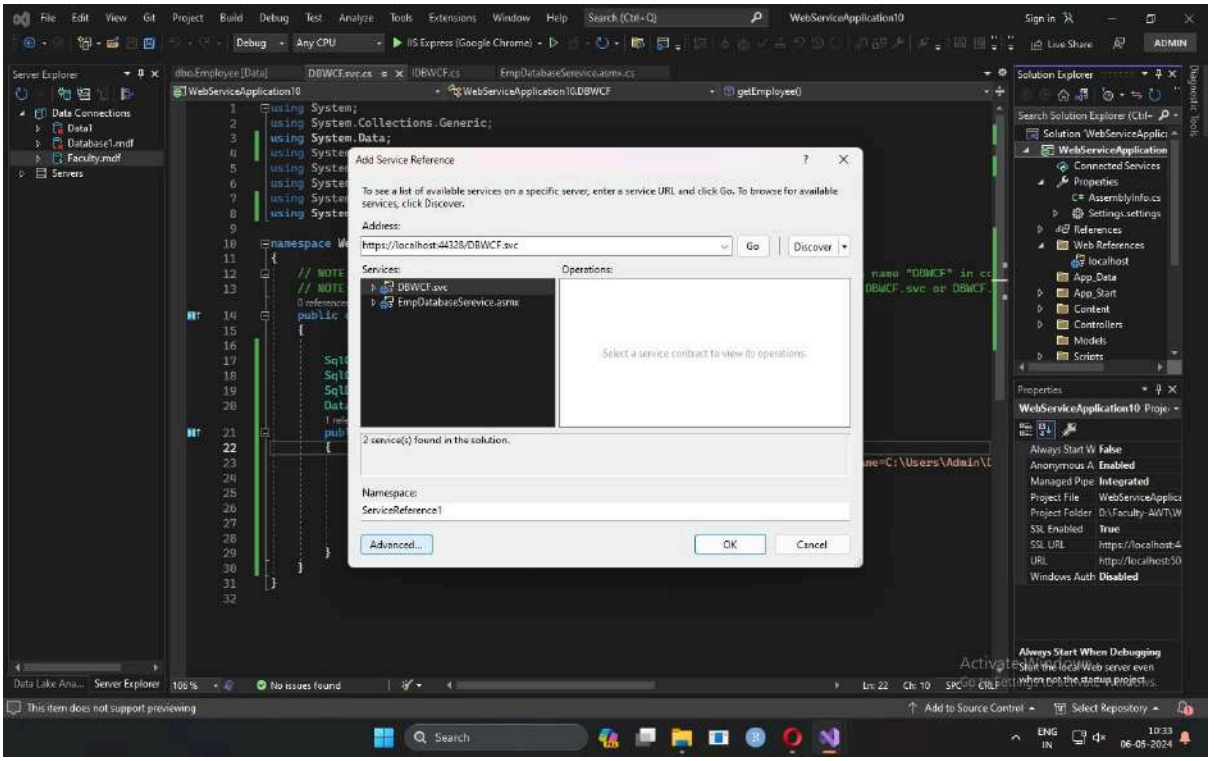
Scripts
Views
DBWCF.svc
EmpDatabaseServic
favicon.ico
Global.asax
IDBWCF.cs
packages.config
Web.config
Properties
No issues found
Ln: 22 Ch: 10 SPC CRLF
Activate Windows
Go to Settings to activate Windows.
Ready
Add to Source Control
Select Repository
Search
ENG IN
10:30 06-05-2024

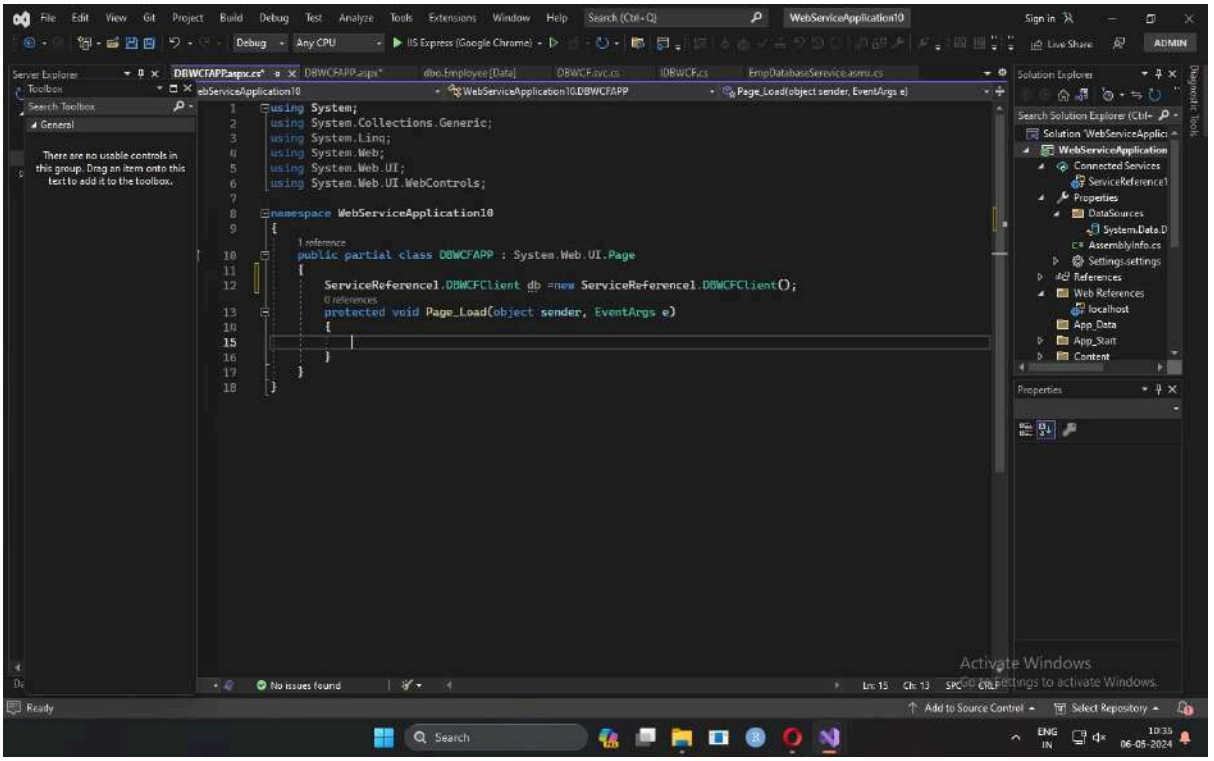

WCF Test Client
File Tools Help
My Service Projects
https://localhost:44328/DBWCF.svc
IDBWCF (BasicHttpBinding_IDBWCF
getEmployee()
getEmployeeAsync()
Start Page
To add a service:
. Select "Add Service" from the File menu or the context menu of the "My Service Projects"
This operation is not supported in the WCF Test Client because it uses type System.Threading.Tasks.Task`1[[System.Data.DataSet, System.Data, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089]].
To test a service operation:
. Double click the operation you want to test from the tree on the left pane
A new tab page will appear on the right pane
. Enter the value of parameters in the 'Request' Area of the right pane
. Click "Invoke" button
Service added successfully.
Error List
Entire Solution
Code Description Project File Line Suppression State
CS0649 Field 'DBWCF.ds' is never assigned to, and will always have its default value null WebServiceApplication... DBWCF.svc.cs 20 Active
Activate Windows
Go to Settings to activate Windows.
Ready
Add to Source Control
Select Repository
Search
ENG IN
10:30 06-05-2024

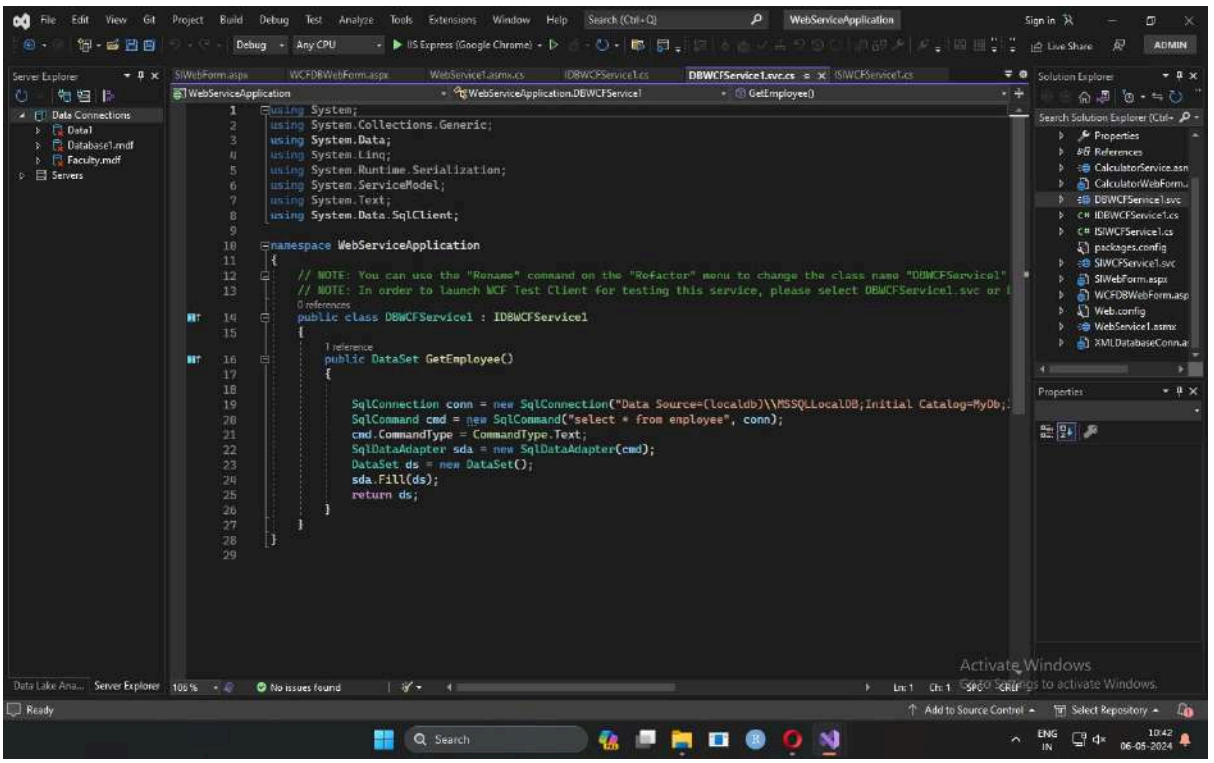


Namespace is important click on discover

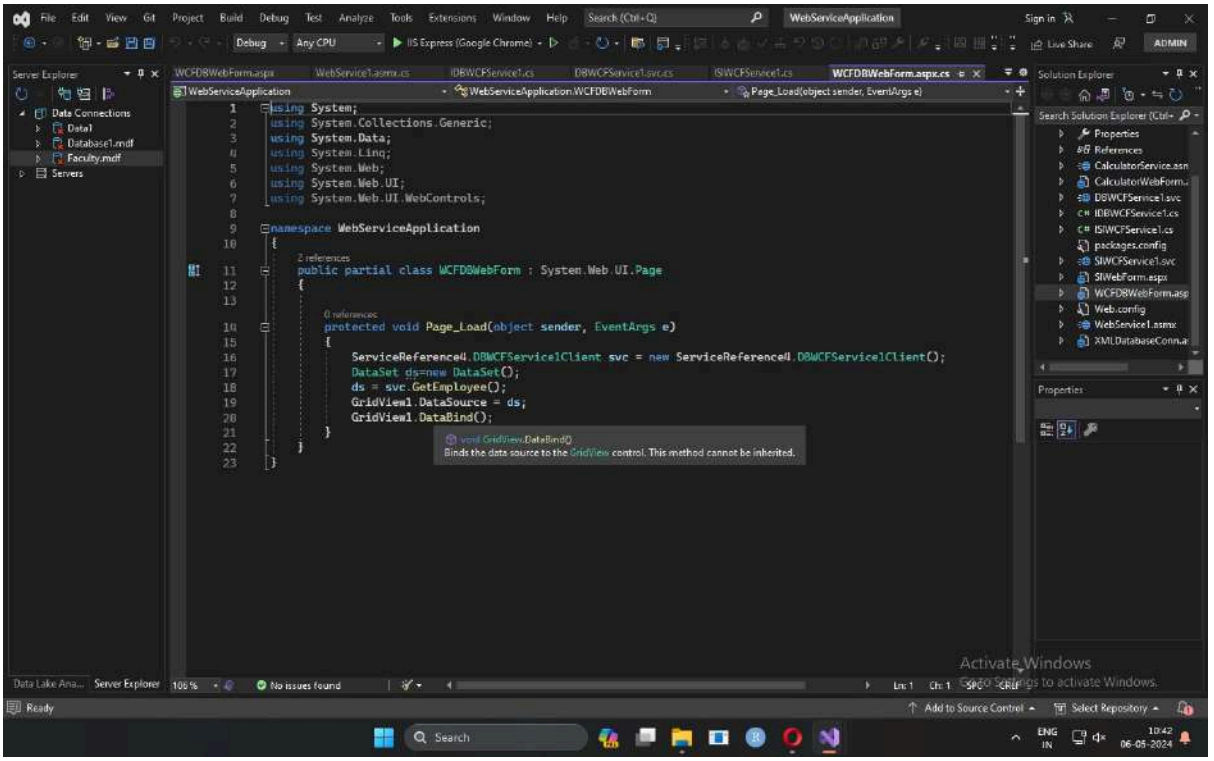



Add Service Reference
To see a list of available services on a specific server, enter a service URL and click Go. To browse for available services, click Discover.
Address:
https://localhost:44328/DBWCF.svc
Go
Discover
Services:
Operations:
DBWCF.svc
EmpDatabaseSerevice.asmx
Select a service contract to view its operations.
2 service(s) found in the solution.
Namespace:
ServiceReference1
Advanced...
OK
Cancel


using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace WebServiceApplication10
{
public partial class DBWCFAPP : System.Web.UI.Page
{
ServiceReference1.DBWCFClient db =new ServiceReference1.DBWCFClient();
protected void Page_Load(object sender, EventArgs e)
{
}
}
}
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.

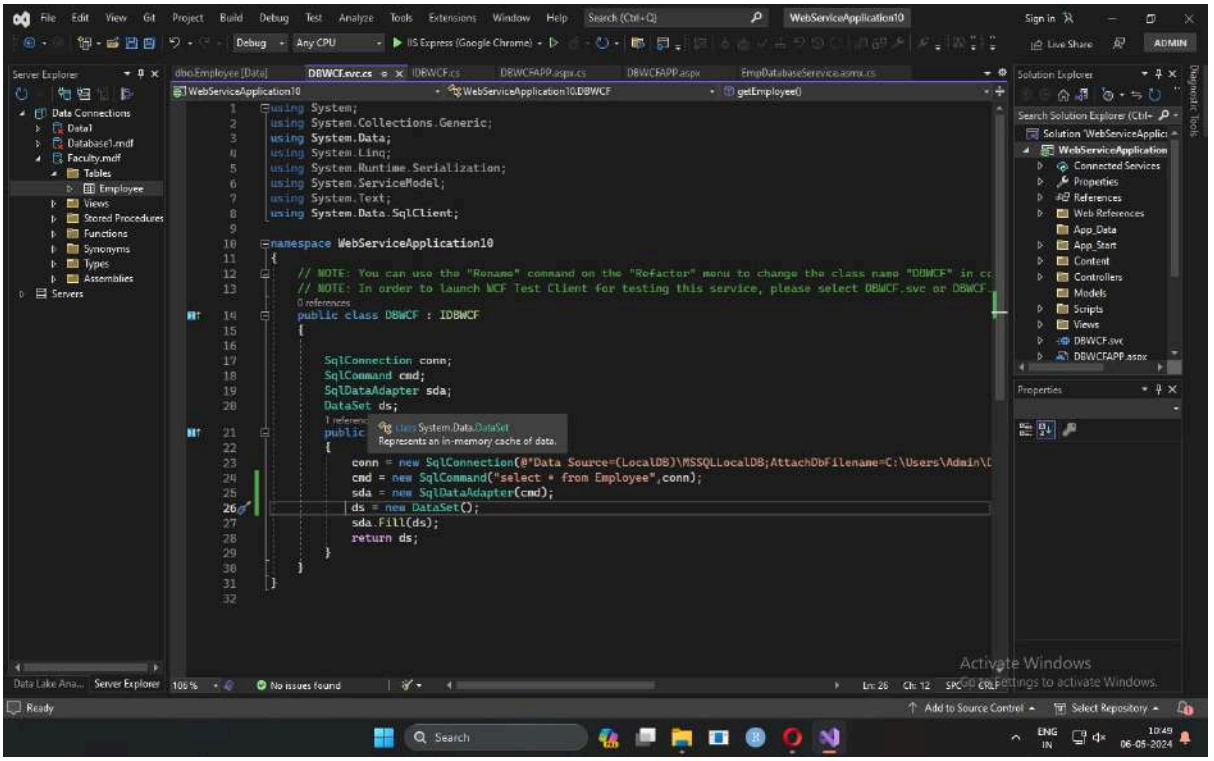


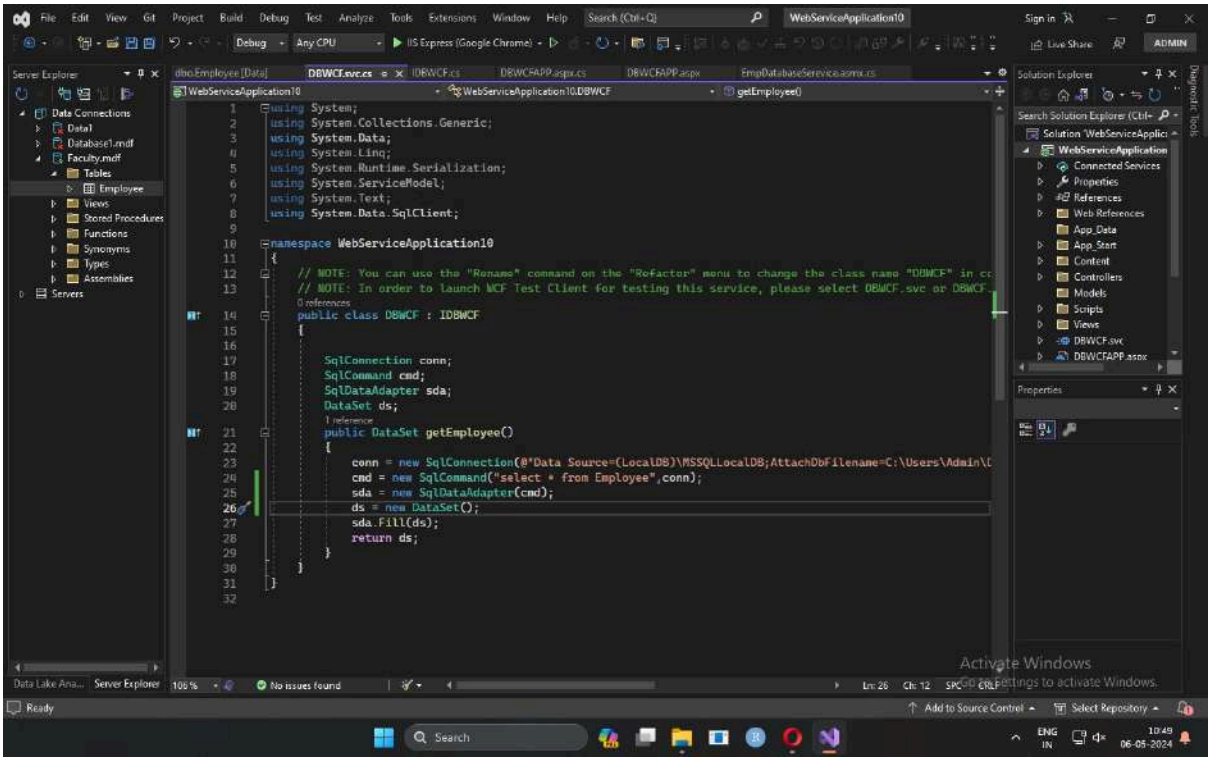
```
using System;
using System.Collections.Generic;
using System.Data;
using System.Linq;
using System.Runtime.Serialization;
using System.ServiceModel;
using System.Text;
using System.Data.SqlClient;

namespace WebServiceApplication
{
    // NOTE: You can use the "Rename" command on the "Refactor" menu to change the class name "DBWCFService1"
    // NOTE: In order to launch WCF Test Client for testing this service, please select DBWCFService1.svc or I
    0 references
    public class DBWCFService1 : IDBWCFService1
    {
        1 reference
        public DataSet GetEmployee()
        {

            SqlConnection conn = new SqlConnection("Data Source=(localdb)\\MSSQLLocalDB;Initial Catalog=MyDb;
            SqlCommand cmd = new SqlCommand("select * from employee", conn);
            cmd.CommandType = CommandType.Text;
            SqlDataAdapter sda = new SqlDataAdapter(cmd);
            DataSet ds = new DataSet();
            sda.Fill(ds);
            return ds;
        }
    }
}
```



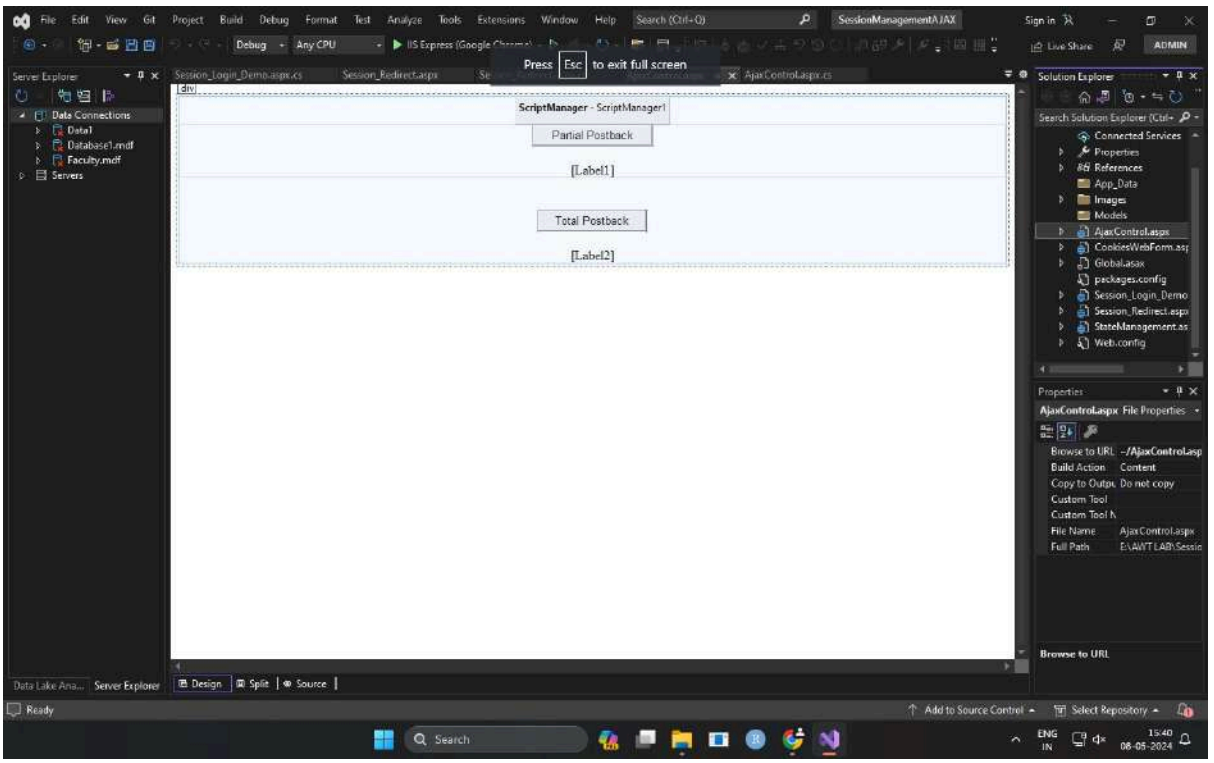
```
using System;
using System.Collections.Generic;
using System.Data;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace WebServiceApplication
{
    2 references
    public partial class WCFDBWebForm : System.Web.UI.Page
    {

        0 references
        protected void Page_Load(object sender, EventArgs e)
        {
            ServiceReference4.DBWCFService1Client svc = new ServiceReference4.DBWCFService1Client();
            DataSet ds=new DataSet();
            ds = svc.GetEmployee();
            GridView1.DataSource = ds;
            GridView1.DataBind();
        }
    }
}
```

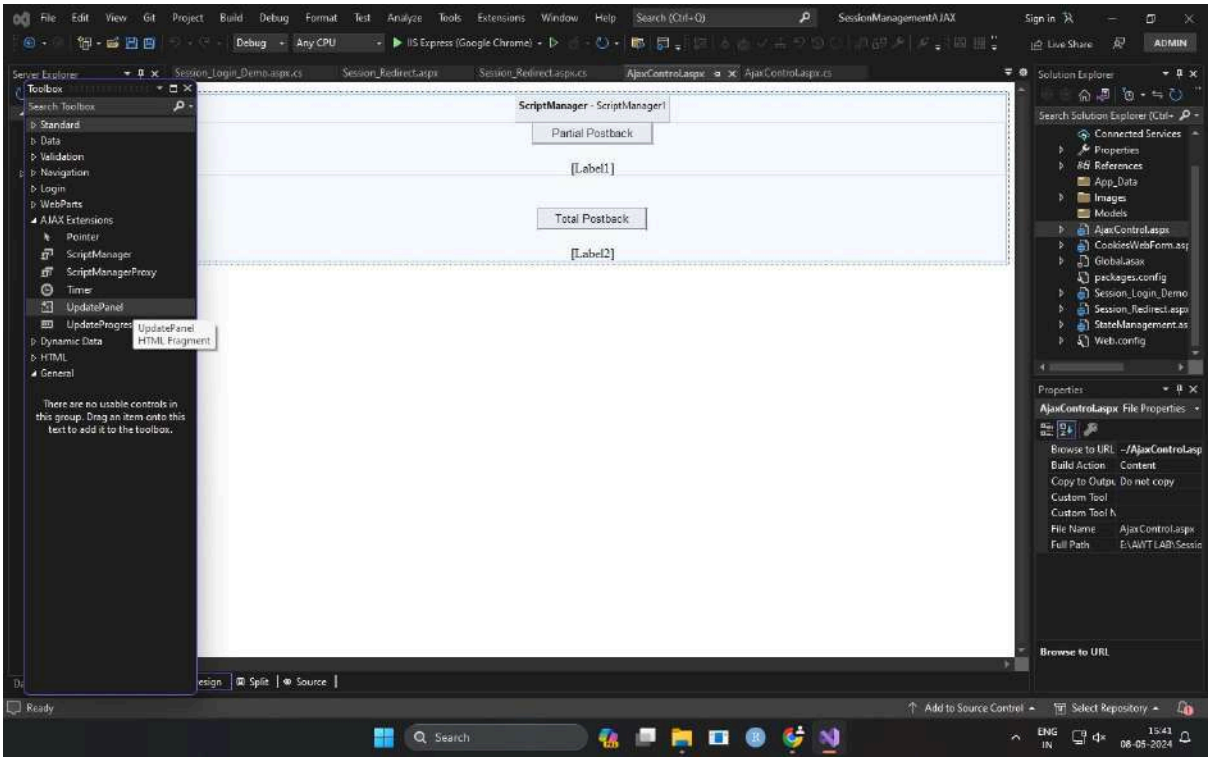
void GridView.DataBind()
Binds the data source to the GridView control. This method cannot be inherited.

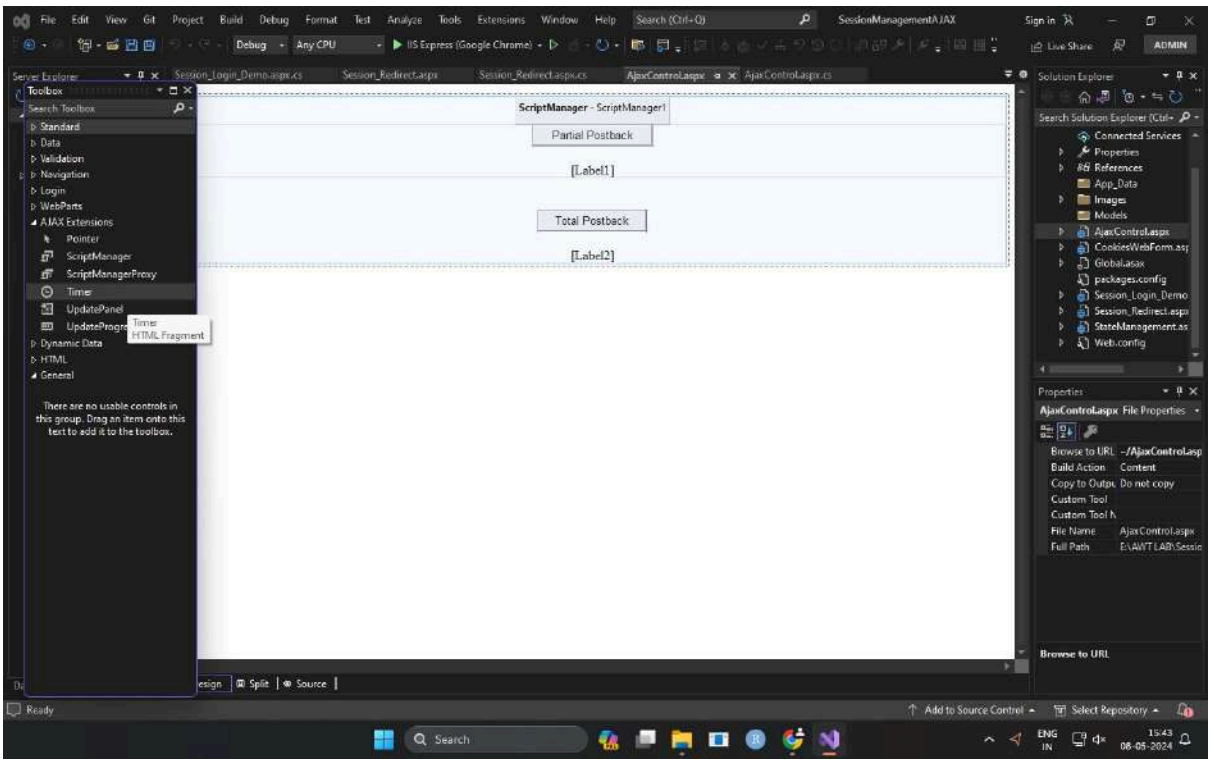

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
WebServiceApplication10
Sign in
ADMIN
Server Explorer
Solution Explorer
Data Connections
Data1
Database1.mdf
Faculty.mdf
Tables
Employee
Views
Stored Procedures
Functions
Synonyms
Types
Assemblies
Servers
DBWCF.svc.cs
IDBWCF.cs
DBWCFAPP.aspx.cs
DBWCFAPP.aspx
EmpDatabaseService.asmx.cs
WebServiceApplication10.DBWCF
getEmployee()
using System;
using System.Collections.Generic;
using System.Data;
using System.Linq;
using System.Runtime.Serialization;
using System.ServiceModel;
using System.Text;
using System.Data.SqlClient;
namespace WebServiceApplication10
{
// NOTE: You can use the "Rename" command on the "Refactor" menu to change the class name "DBWCF" in c
// NOTE: In order to launch WCF Test Client for testing this service, please select DBWCF.svc or DBWCF
0 references
public class DBWCF : IDBWCF
{
SqlConnection conn;
SqlCommand cmd;
SqlDataAdapter sda;
DataSet ds;
1 reference
public
class System.Data.DataSet
Represents an in-memory cache of data.
{
conn = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Admin\
cmd = new SqlCommand("select * from Employee",conn);
sda = new SqlDataAdapter(cmd);
ds = new DataSet();
sda.Fill(ds);
return ds;
}
}
}
Activate Windows
Go to Settings to activate Windows.
No issues found
Ln: 26 Ch: 12 SPC CRLF
Ready
Add to Source Control
Select Repository
Search
ENG IN
10:49
06-05-2024

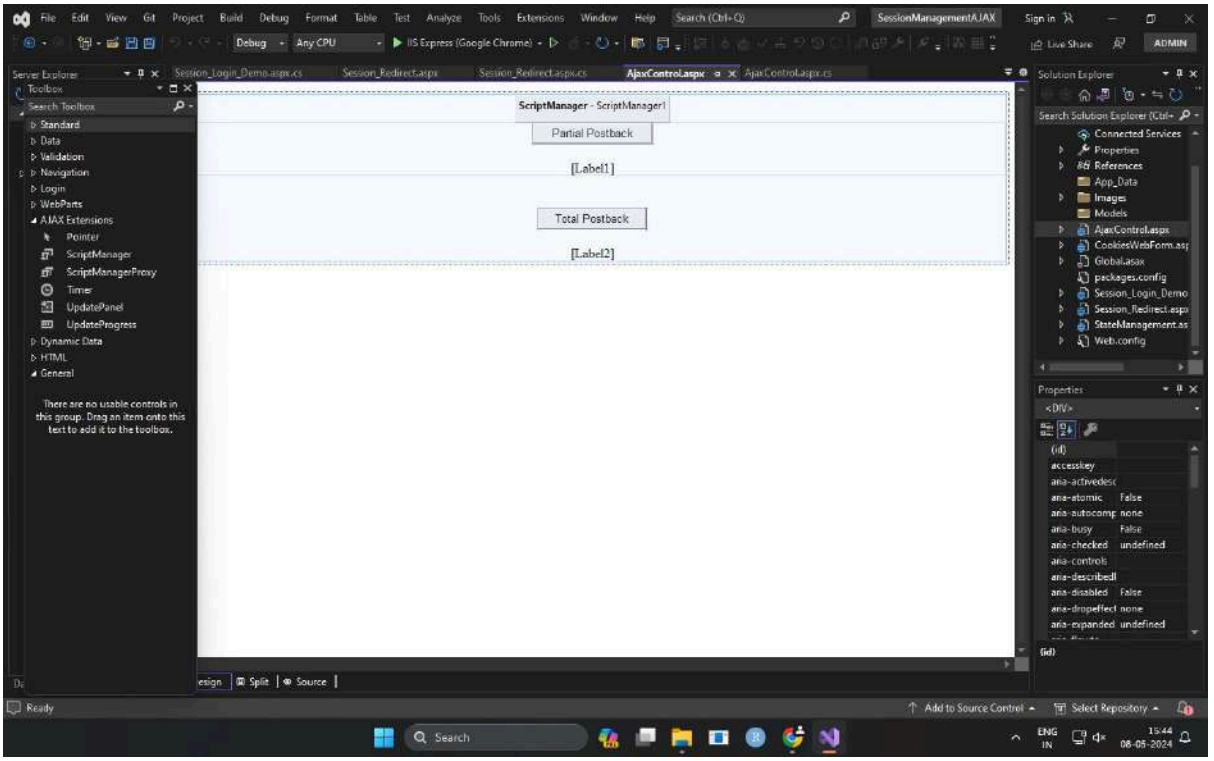

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
WebServiceApplication10
Sign in
ADMIN
Server Explorer
Solution Explorer
Data Connections
Data1
Database1.mdf
Faculty.mdf
Tables
Employee
Views
Stored Procedures
Functions
Synonyms
Types
Assemblies
Servers
DBWCF.svc.cs
IDBWCF.cs
DBWCFAPP.aspx.cs
DBWCFAPP.aspx
EmpDatabaseService.asmx.cs
WebServiceApplication10.DBWCF
getEmployee()
using System;
using System.Collections.Generic;
using System.Data;
using System.Linq;
using System.Runtime.Serialization;
using System.ServiceModel;
using System.Text;
using System.Data.SqlClient;
namespace WebServiceApplication10
{
// NOTE: You can use the "Rename" command on the "Refactor" menu to change the class name "DBWCF" in c
// NOTE: In order to launch WCF Test Client for testing this service, please select DBWCF.svc or DBWCF
0 references
public class DBWCF : IDBWCF
{
SqlConnection conn;
SqlCommand cmd;
SqlDataAdapter sda;
DataSet ds;
1 reference
public DataSet getEmployee()
{
conn = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Admin\
cmd = new SqlCommand("select * from Employee",conn);
sda = new SqlDataAdapter(cmd);
ds = new DataSet();
sda.Fill(ds);
return ds;
}
}
}
Activate Windows
Go to Settings to activate Windows.
No issues found
Ln: 26 Ch: 12 SPC CRLF
Ready
Add to Source Control
Select Repository
Search
ENG IN
10:49
06-05-2024

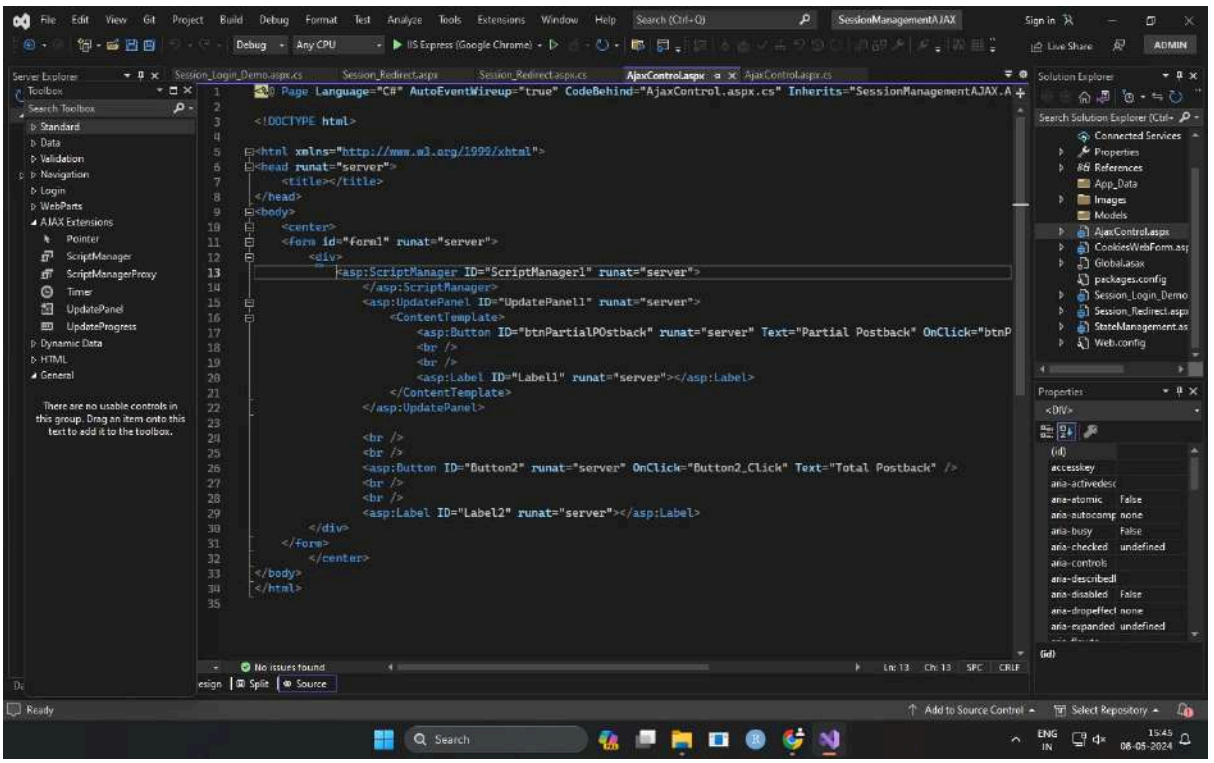
8-5-24
Awt lab


Press Esc to exit full screen
ScriptManager - ScriptManager1
Partial Postback
[Label1]
Total Postback
[Label2]


ScriptManager - ScriptManager1
Partial Postback
[Label1]
Total Postback
[Label2]
UpdatePanel
HTML Fragment


ScriptManager - ScriptManager1
Partial Postback
[Label1]
Total Postback
[Label2]


ScriptManager - ScriptManager1
Partial Postback
[Label1]
Total Postback
[Label2]


File Edit View Git Project Build Debug Format Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
SessionManagementAJAX
Sign in
Live Share
ADMIN
Debug
Any CPU
IIS Express (Google Chrome)
Server Explorer
Toolbox
Search Toolbox
Standard
Data
Validation
Navigation
Login
WebParts
AJAX Extensions
Pointer
ScriptManager
ScriptManagerProxy
Timer
UpdatePanel
UpdateProgress
Dynamic Data
HTML
General
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
Session_Login_Demo.aspx.cs
Session_Redirect.aspx
Session_Redirect.aspx.cs
AjaxControl.aspx
AjaxControl.aspx.cs
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="AjaxControl.aspx.cs" Inherits="SessionManagementAJAX.A
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title></title>
</head>
<body>

<form id="form1" runat="server">

<asp:ScriptManager ID="ScriptManager1" runat="server">
</asp:ScriptManager>
<asp:UpdatePanel ID="UpdatePanel1" runat="server">
<ContentTemplate>
<asp:Button ID="btnPartialPOstback" runat="server" Text="Partial Postback" OnClick="btnP

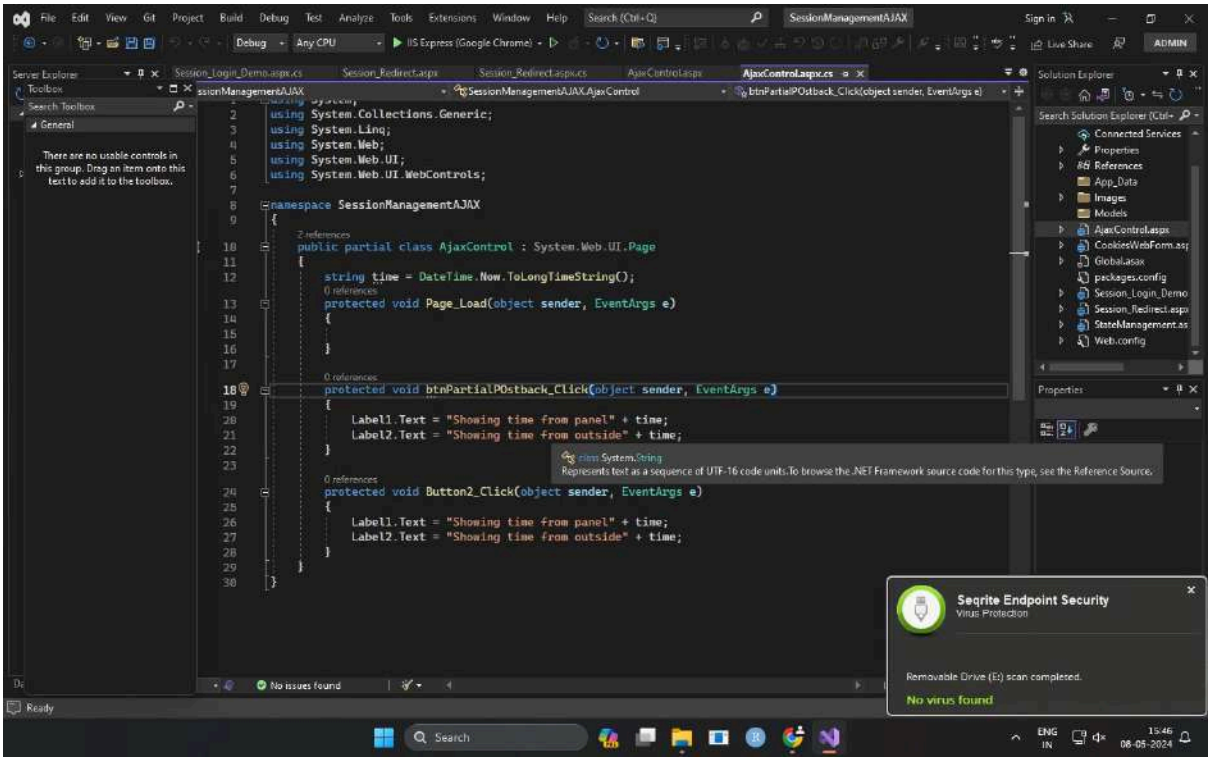
<asp:Label ID="Label1" runat="server"></asp:Label>
</ContentTemplate>
</asp:UpdatePanel>

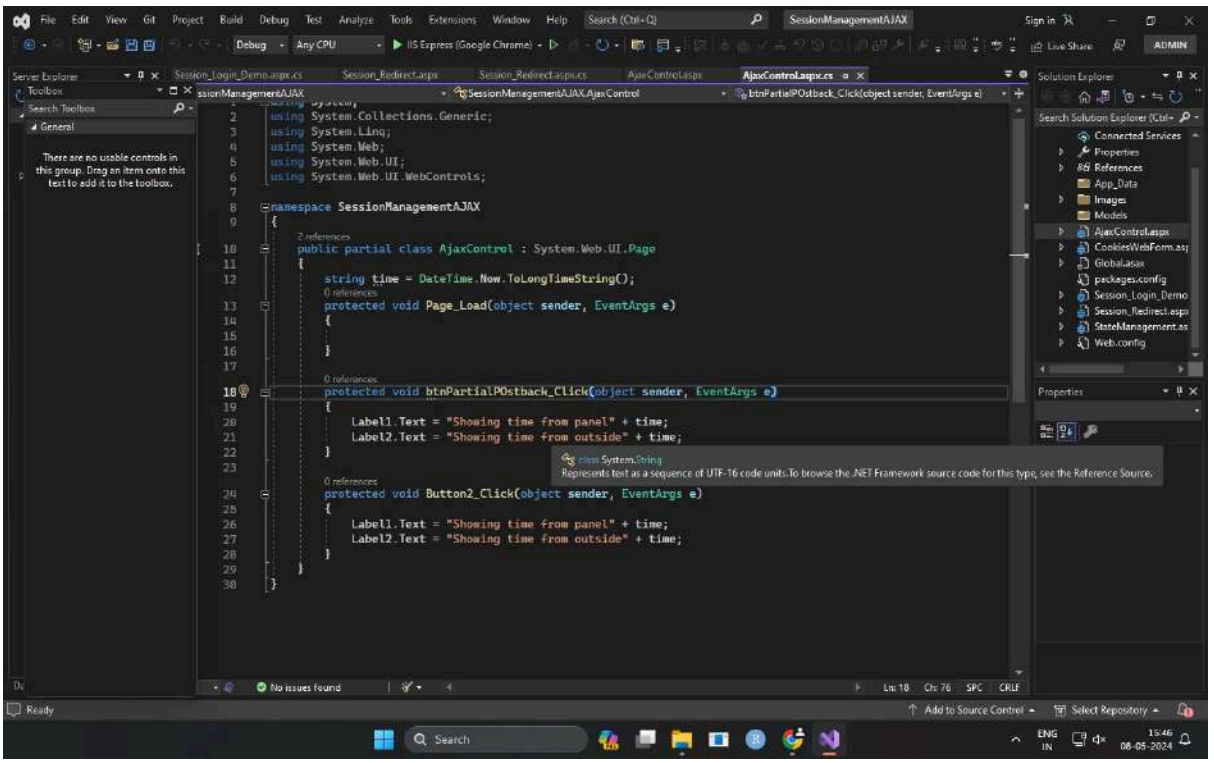
<asp:Button ID="Button2" runat="server" OnClick="Button2_Click" Text="Total Postback" />

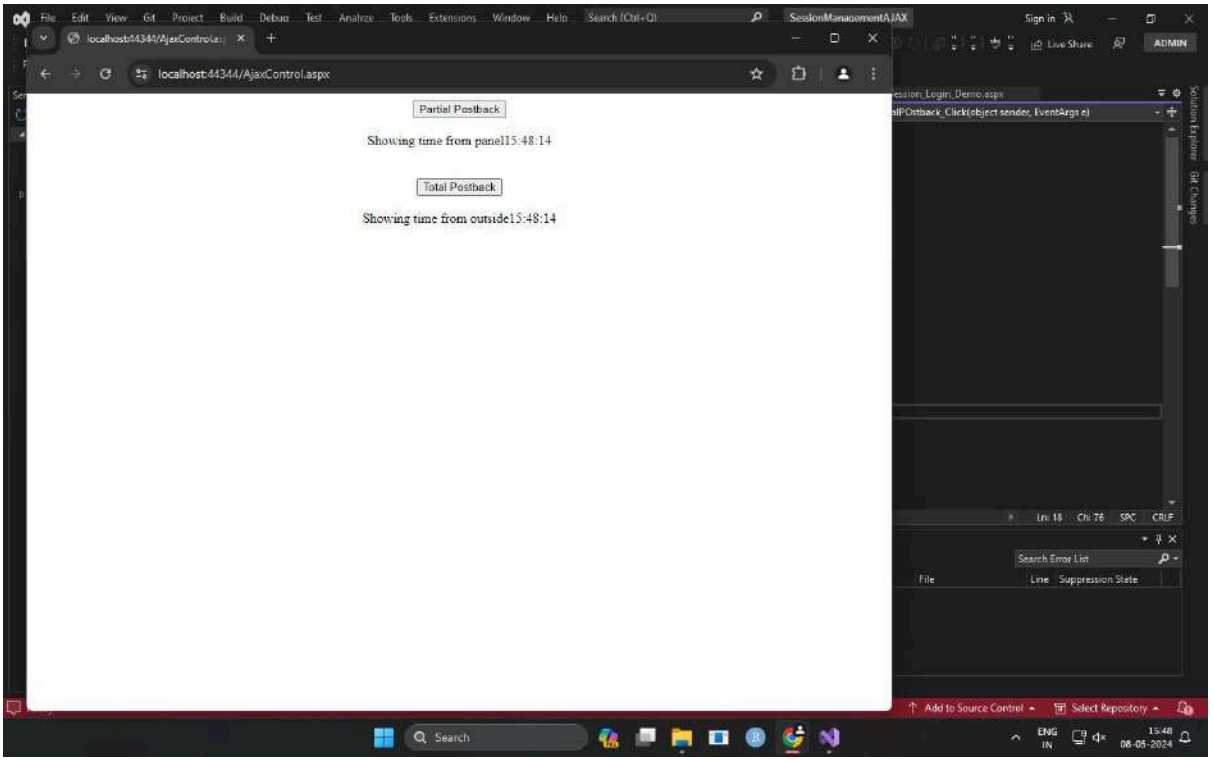
<asp:Label ID="Label2" runat="server"></asp:Label>

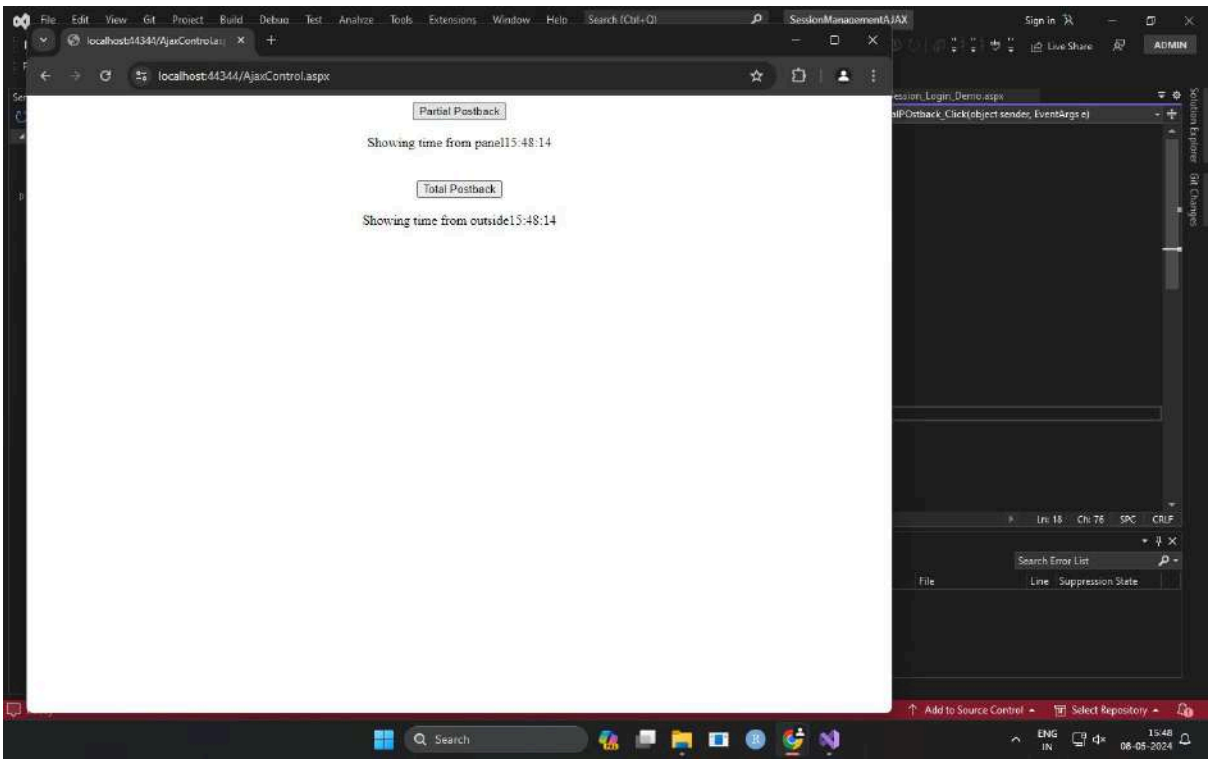
</form>

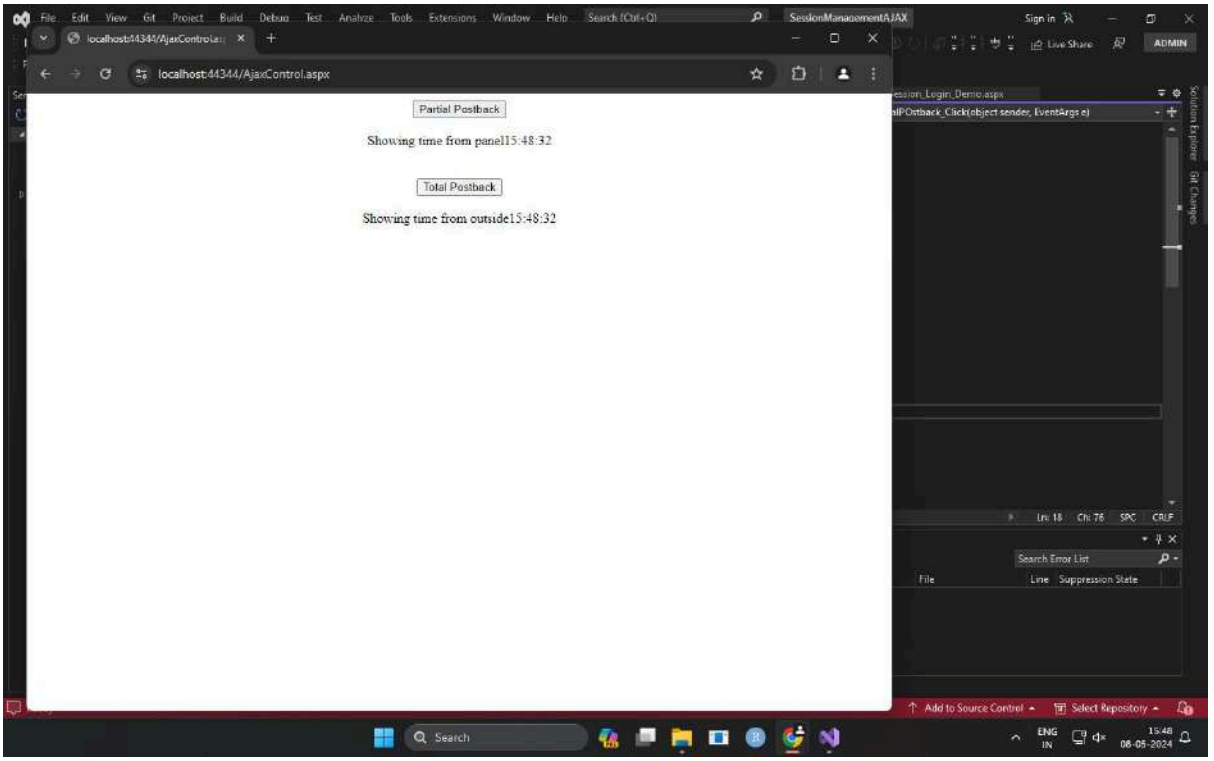
</body>
</html>
Solution Explorer
Search Solution Explorer (Ctrl+
Connected Services
Properties
References
App_Data
Images
Models
AjaxControl.aspx
CookiesWebForm.asp
Global.asax
packages.config
Session_Login_Demo
Session_Redirect.aspx
StateManagement.as
Web.config
Properties
<DIV>
(id)
accesskey
aria-activedesc
aria-atomic False
aria-autocomp none
aria-busy False
aria-checked undefined
aria-controls
aria-describedl
aria-disabled False
aria-dropeffect none
aria-expanded undefined
(id)
No issues found
Ln: 13 Ch: 13 SPC CRLF
Design Split Source
Ready
Add to Source Control
Select Repository
Search
ENG IN
15:45
08-05-2024


File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
SessionManagementAJAX
Sign in
Live Share
ADMIN
Debug
Any CPU
IIS Express (Google Chrome)
Server Explorer
Toolbox
Search Toolbox
General
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
Session_Login_Demo.aspx.cs
Session_Redirect.aspx
Session_Redirect.aspx.cs
AjaxControl.aspx
AjaxControl.aspx.cs
SessionManagementAJAX.AjaxControl
btnPartialPOstback_Click(object sender, EventArgs e)
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace SessionManagementAJAX
{
2 references
public partial class AjaxControl : System.Web.UI.Page
{
string time = DateTime.Now.ToLongTimeString();
0 references
protected void Page_Load(object sender, EventArgs e)
{
}
0 references
protected void btnPartialPOstback_Click(object sender, EventArgs e)
{
Label1.Text = "Showing time from panel" + time;
Label2.Text = "Showing time from outside" + time;
}
class System.String
Represents text as a sequence of UTF-16 code units.To browse the .NET Framework source code for this type, see the Reference Source.
0 references
protected void Button2_Click(object sender, EventArgs e)
{
Label1.Text = "Showing time from panel" + time;
Label2.Text = "Showing time from outside" + time;
}
}
}
Solution Explorer
Search Solution Explorer (Ctrl+
Connected Services
Properties
References
App_Data
Images
Models
AjaxControl.aspx
CookiesWebForm.asp
Global.asax
packages.config
Session_Login_Demo
Session_Redirect.aspx
StateManagement.as
Web.config
Properties
No issues found
Ready
Seqrite Endpoint Security
Virus Protection
Removable Drive (E:) scan completed.
No virus found
Search
ENG IN
15:46
08-05-2024


File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
SessionManagementAJAX
Debug
Any CPU
IIS Express (Google Chrome)
Session_Login_Demo.aspx.cs
Session_Redirect.aspx
Session_Redirect.aspx.cs
AjaxControl.aspx
AjaxControl.aspx.cs
SessionManagementAJAX.AjaxControl
btnPartialPOstback_Click(object sender, EventArgs e)
Toolbox
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace SessionManagementAJAX
{
public partial class AjaxControl : System.Web.UI.Page
{
string time = DateTime.Now.ToLongTimeString();
protected void Page_Load(object sender, EventArgs e)
{
}
protected void btnPartialPOstback_Click(object sender, EventArgs e)
{
Label1.Text = "Showing time from panel" + time;
Label2.Text = "Showing time from outside" + time;
}
protected void Button2_Click(object sender, EventArgs e)
{
Label1.Text = "Showing time from panel" + time;
Label2.Text = "Showing time from outside" + time;
}
}
}
class System.String
Represents text as a sequence of UTF-16 code units.To browse the .NET Framework source code for this type, see the Reference Source.
Solution Explorer
Properties
No issues found
Ln: 18 Ch: 76 SPC CRLF
Ready
Add to Source Control
Select Repository
Search
ENG IN
15:46
08-05-2024


localhost:44344/AjaxControl.aspx
Partial Postback
Showing time from panel15:48:14
Total Postback
Showing time from outside15:48:14
Search Error List
File
Line
Suppression State
Add to Source Control
Select Repository
Search
ENG IN
15:48
08-05-2024





Code

ajax.aspx.cs

```
 using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
```

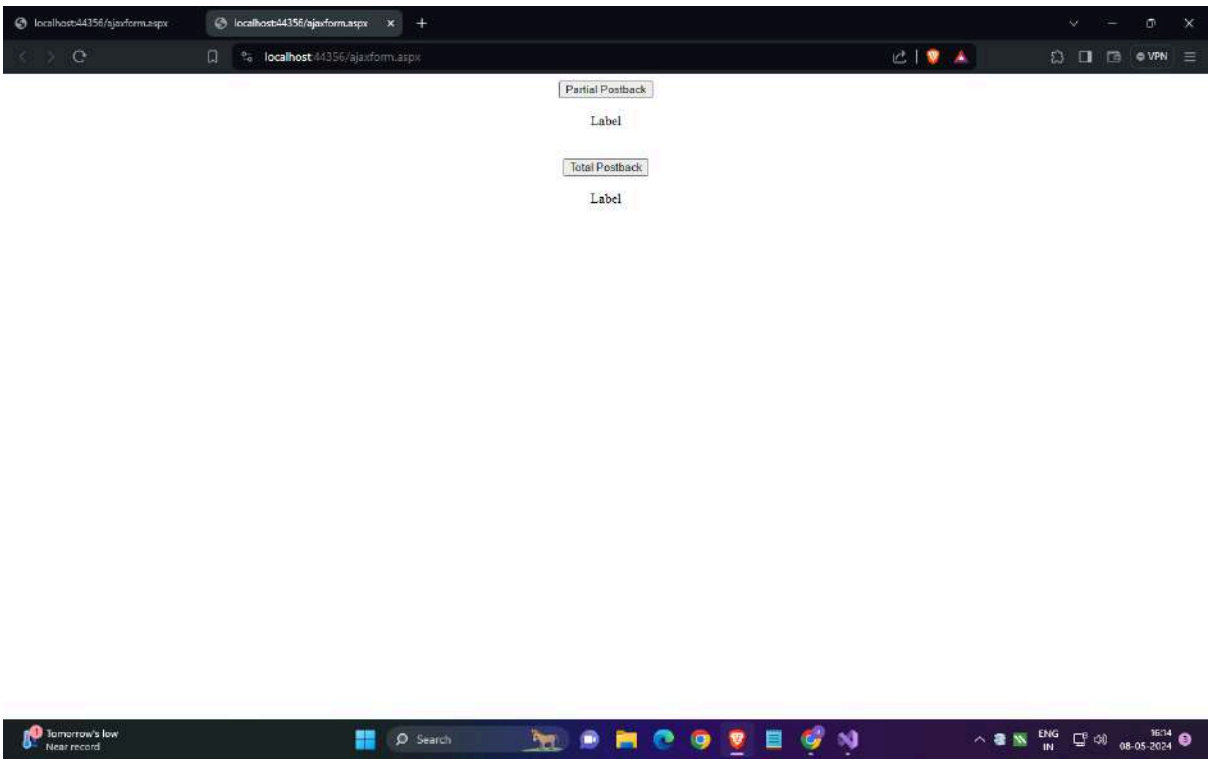
```
using System.Web.UI.WebControls;

namespace ajax
{
   public partial class ajaxform : System.Web.UI.Page
   {
      string time = DateTime.Now.ToLongTimeString();
      protected void Page_Load(object sender, EventArgs e)
      {

      }

      protected void btnPartialPostback(object sender, EventArgs e)
      {
         Label1.Text = "Showing yime from panel" + time;
         Label2.Text = "Showing time from Outside" + time;
      }

      protected void Button2_Click(object sender, EventArgs e)
      {
         Label1.Text = "Showing time from panel" + time;
         Label2.Text = "Showing time from outside" + time;
      }
   }
}
```

ajaxform.aspx

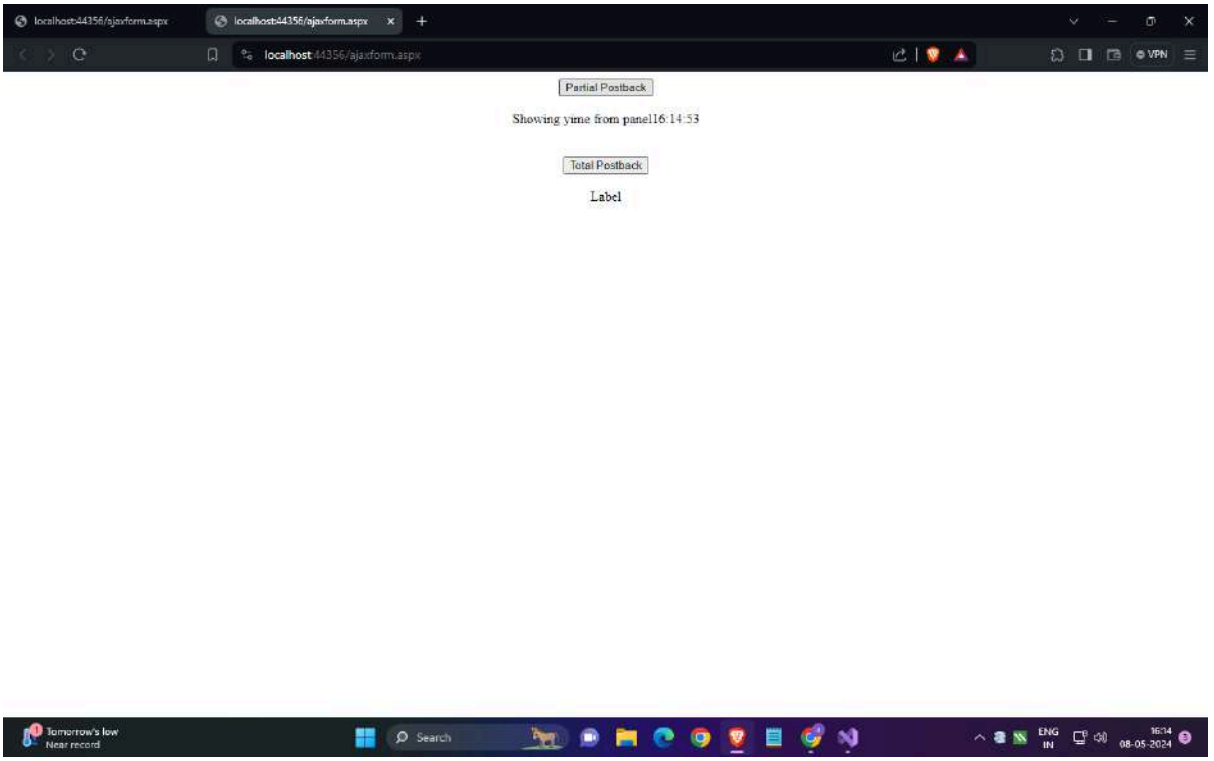
```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="ajaxform.aspx.cs" Inherits="ajax.ajaxform" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
   <title></title>
</head>
<body>

   <center>


   <form id="form1" runat="server">
      <div>
         <asp:ScriptManager ID="ScriptManager1"
runat="server"></asp:ScriptManager>
         <asp:UpdatePanel ID="UpdatePanel1" runat="server">
```

```
            <ContentTemplate>


                <asp:Button ID="Button1" runat="server" Text="Partial Postback"
OnClick="btnPartialPostback"/>

                <br />
                <br />
                <asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>

            </ContentTemplate>
                </asp:UpdatePanel>
            <br />
            <br />
            <asp:Button ID="Button2" runat="server" OnClick="Button2_Click" Text="Total
Postback" />
            <br />
            <br />

            <asp:Label ID="Label2" runat="server" Text="Label"></asp:Label>
        </div>
    </form>

        </center>
</body>
</html>
```

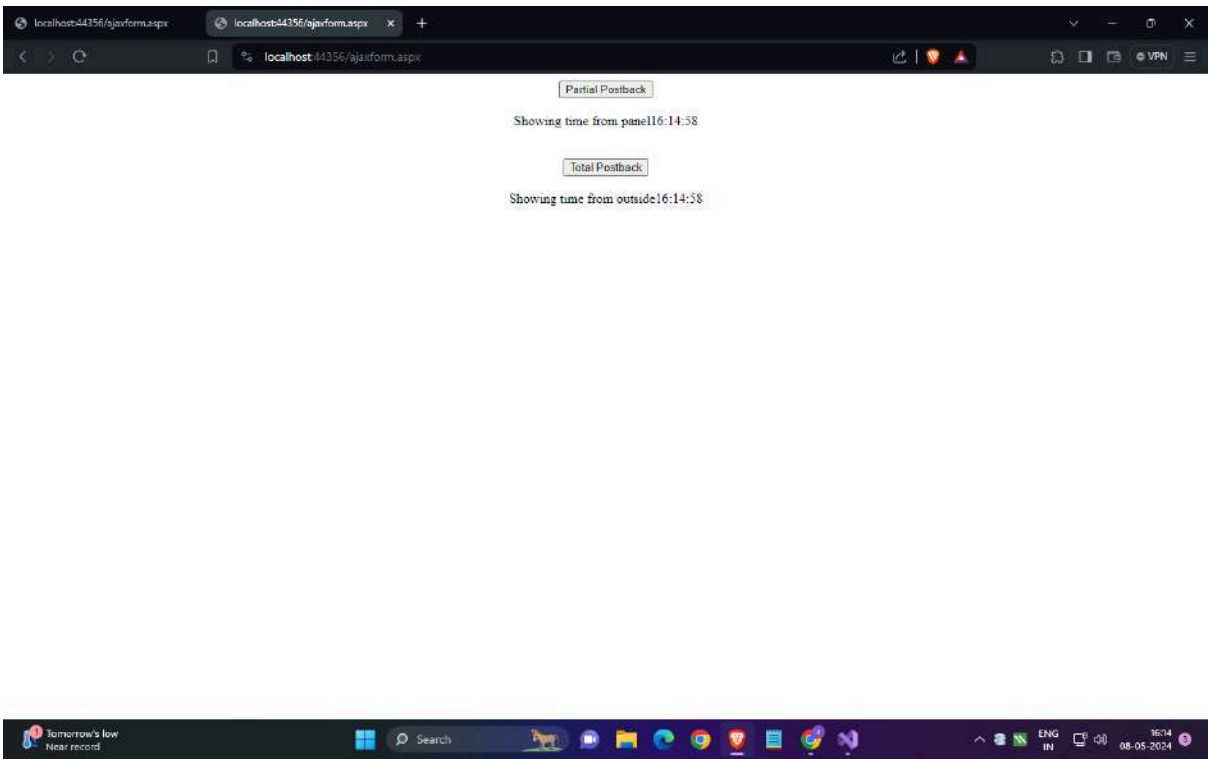
Output:

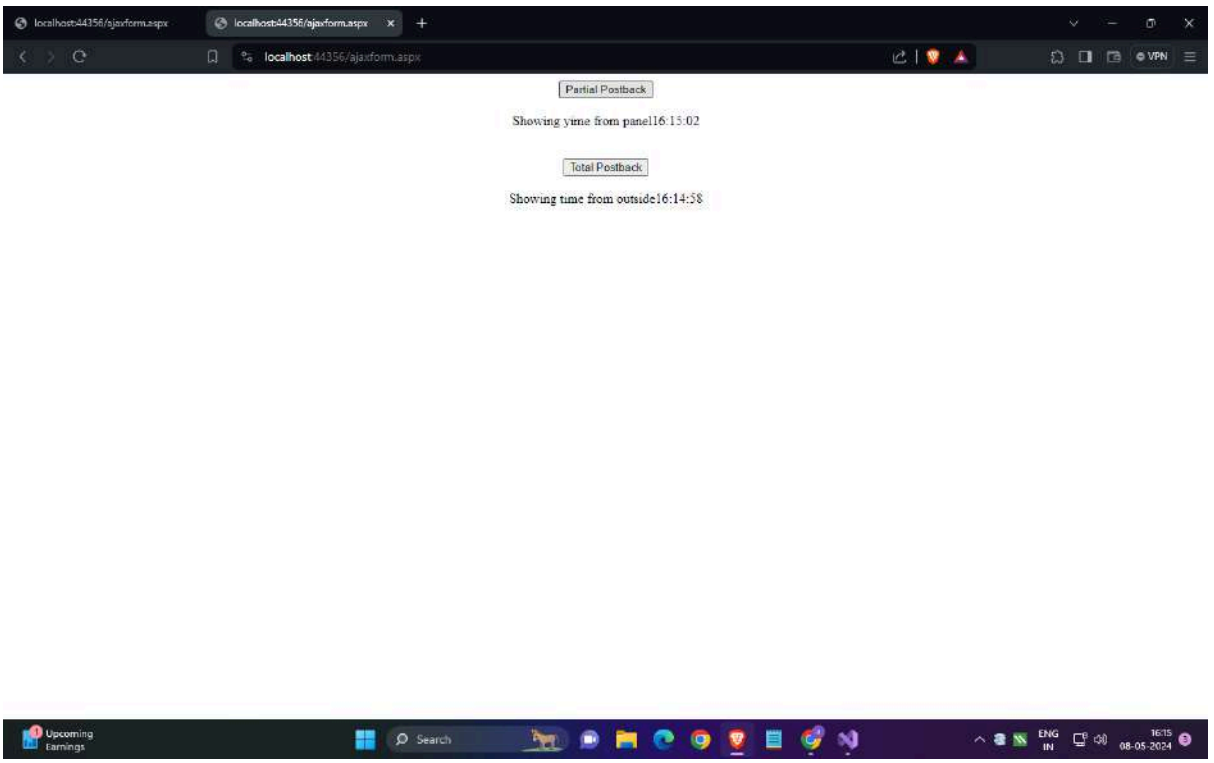

localhost:44356/ajaxform.aspx
localhost:44356/ajaxform.aspx
localhost:44356/ajaxform.aspx
VPN
Partial Postback
Label
Total Postback
Label

Tomorrow's low
Near record
Search
ENG
IN
16:14
08-05-2024

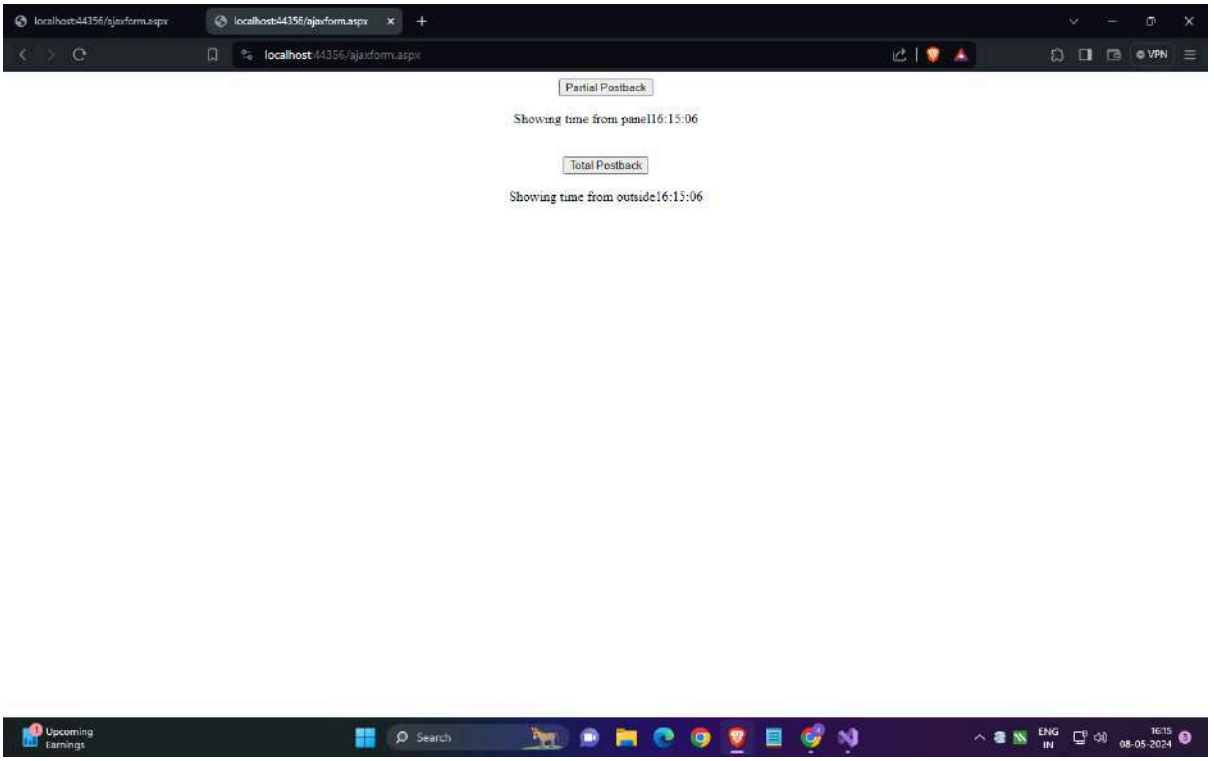

localhost:44356/ajaxform.aspx
localhost:44356/ajaxform.aspx
localhost:44356/ajaxform.aspx
VPN
Partial Postback
Showing time from panel16:14:53
Total Postback
Label

Tomorrow's low
Near record
Search
ENG
IN
16:14
08-05-2024


localhost:44356/ajaxform.aspx
localhost:44356/ajaxform.aspx
localhost:44356/ajaxform.aspx
VPN
Partial Postback
Showing time from panel16:14:58
Total Postback
Showing time from outside16:14:58
Tomorrow's low
Near record
Search
ENG
IN
16:14
08-05-2024


localhost:44356/ajaxform.aspx
localhost:44356/ajaxform.aspx
localhost:44356/ajaxform.aspx
VPN
Partial Postback
Showing yime from panel16:15:02
Total Postback
Showing time from outside16:14:58

Upcoming Earnings
Search
ENG IN
16:15 08-05-2024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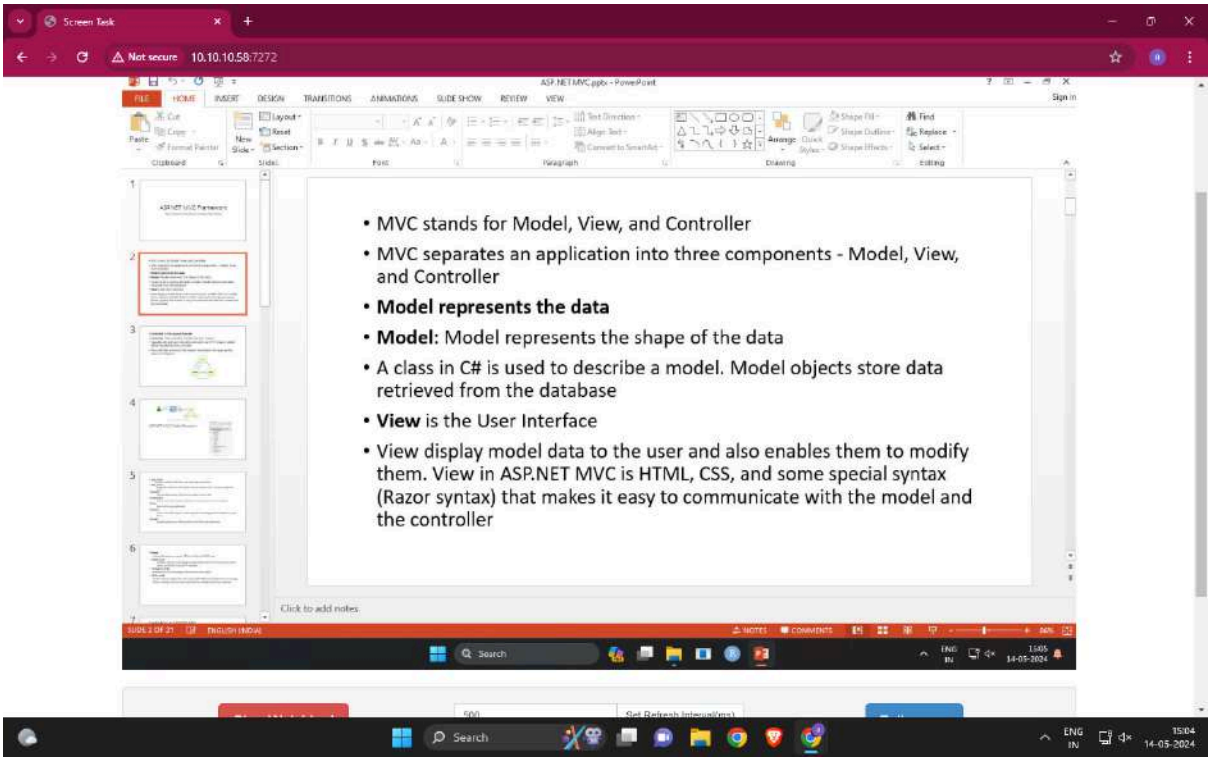
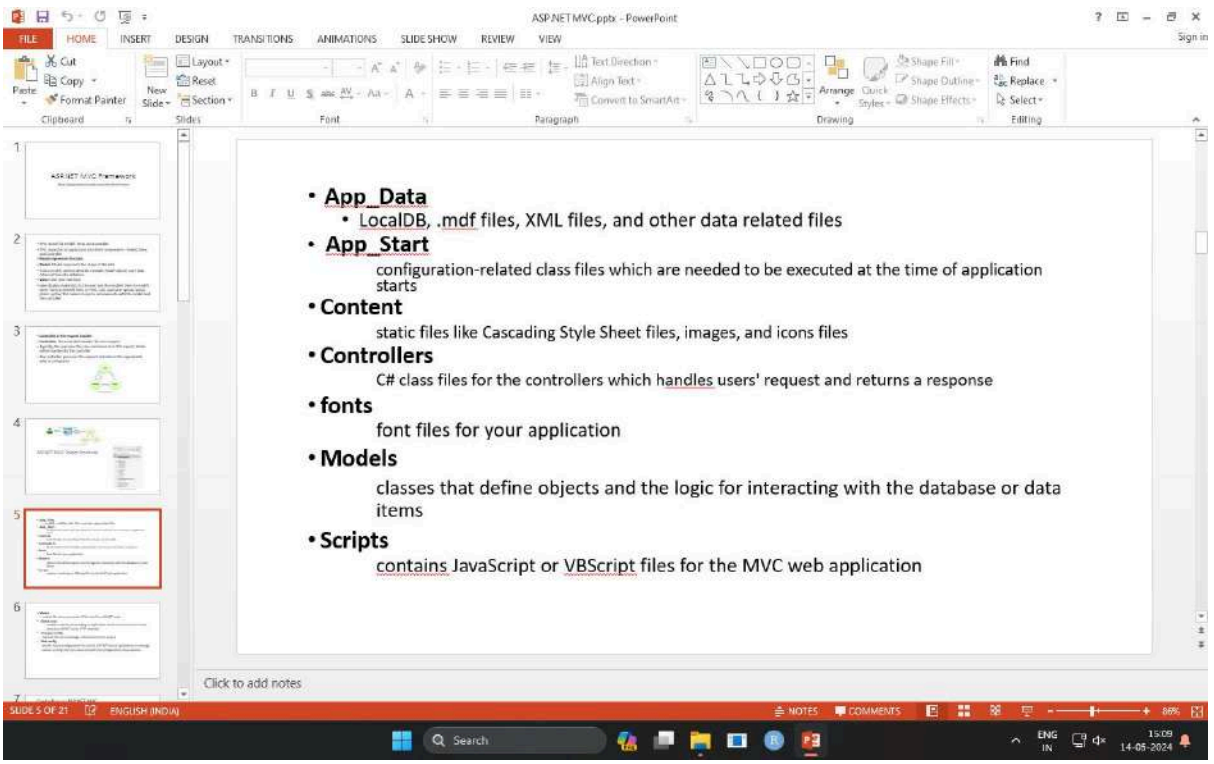
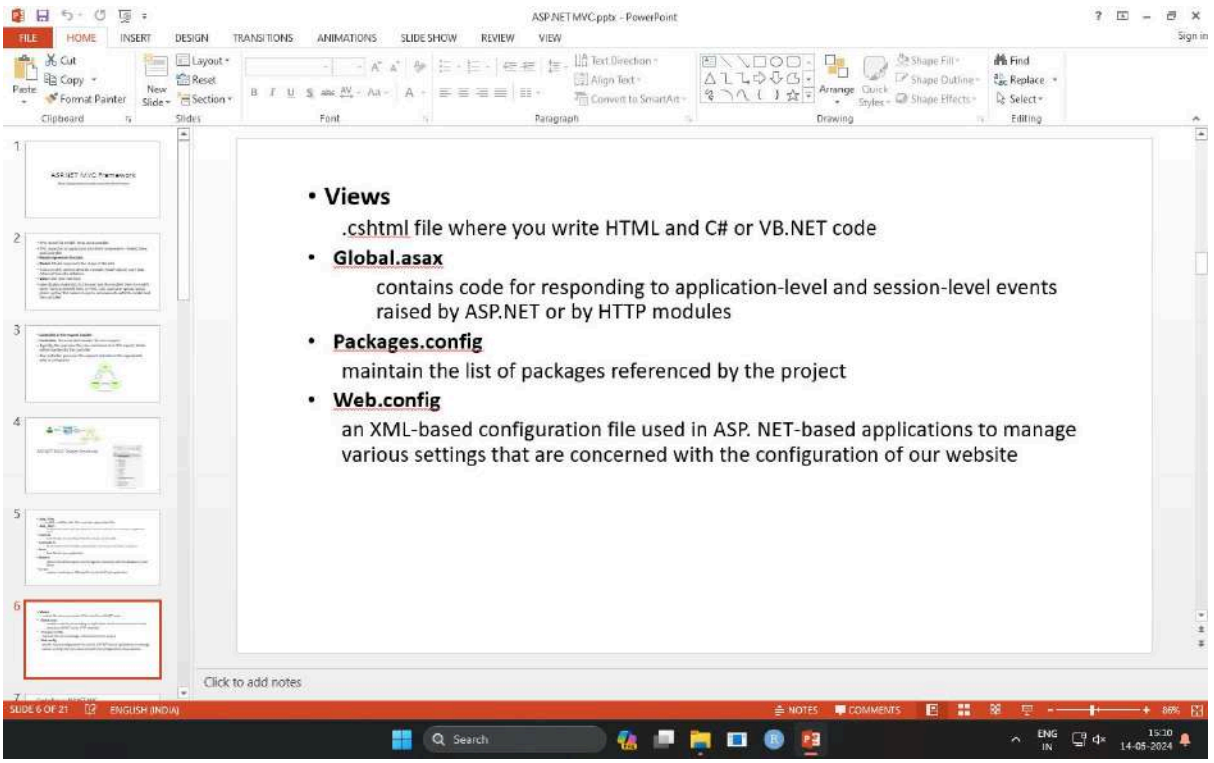
localhost:44356/ajaxform.aspx
localhost:44356/ajaxform.aspx
VPN
Partial Postback
Showing time from panel16:15:06
Total Postback
Showing time from outside16:15:06

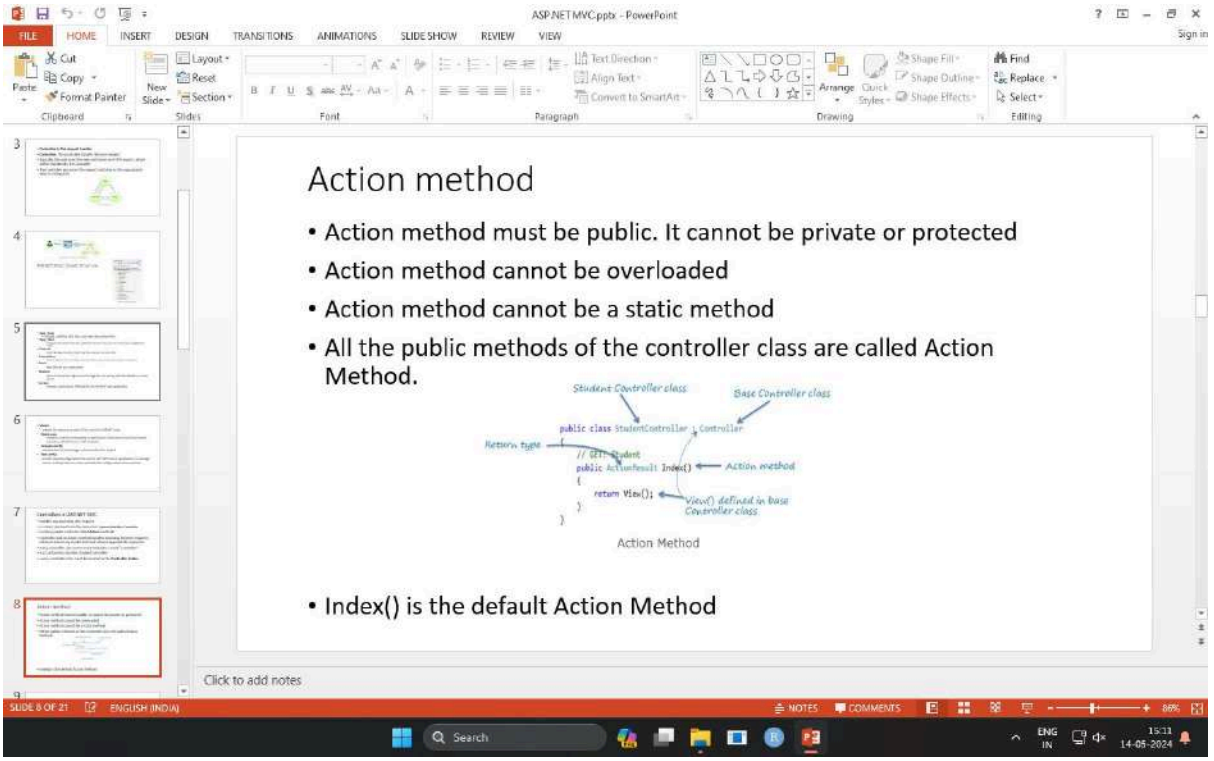
Upcoming Earnings
Search
ENG IN
16:15 08-05-2024

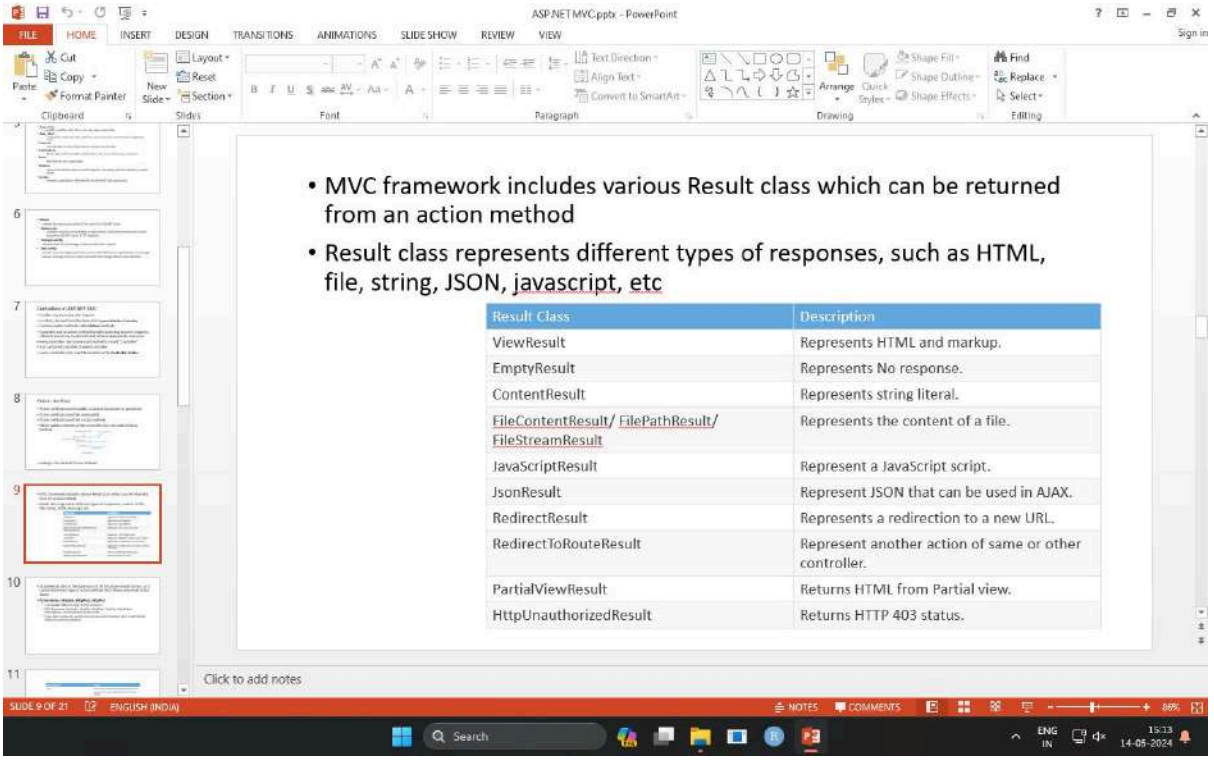
14-5-24

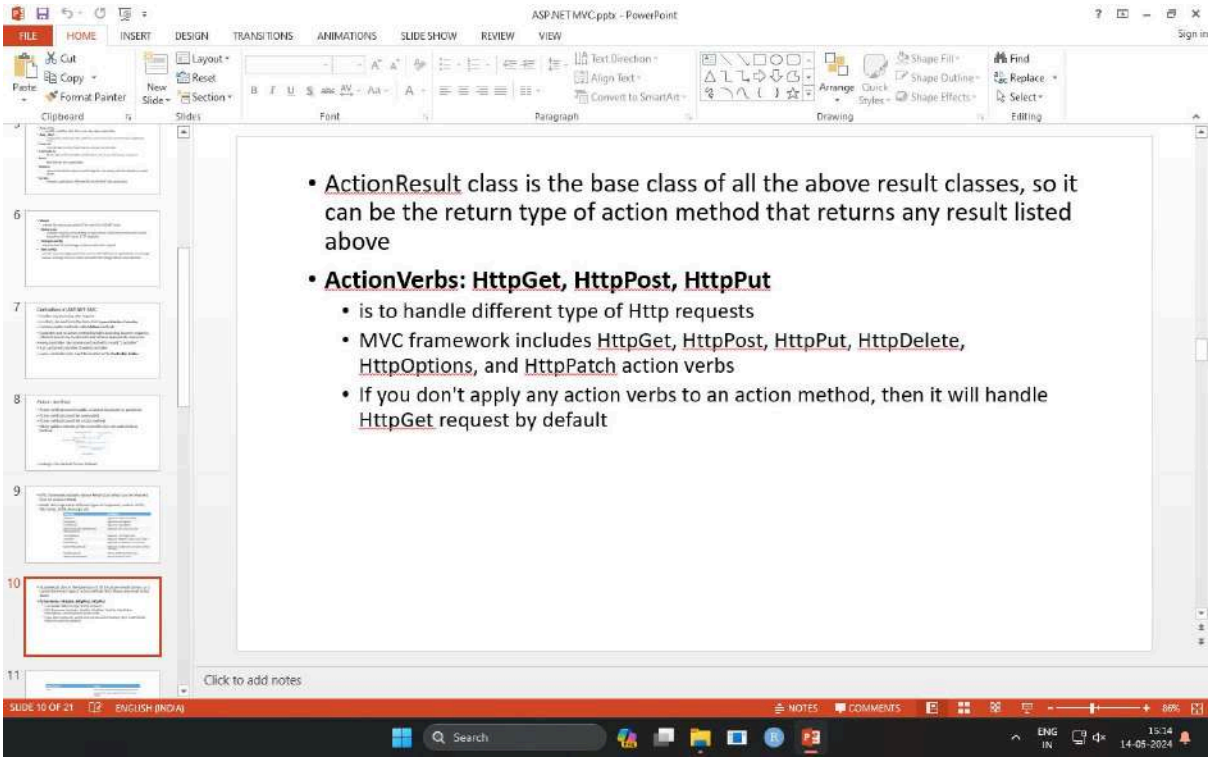

Screen Task
Not secure 10.10.10.58:7272
ASP.NET MVC.pptx - PowerPoint
• MVC stands for Model, View, and Controller
• MVC separates an application into three components - Model, View, and Controller
• Model represents the data
• Model: Model represents the shape of the data
• A class in C# is used to describe a model. Model objects store data retrieved from the database
• View is the User Interface
• View display model data to the user and also enables them to modify them. View in ASP.NET MVC is HTML, CSS, and some special syntax (Razor syntax) that makes it easy to communicate with the model and the controller
Click to add notes
Search

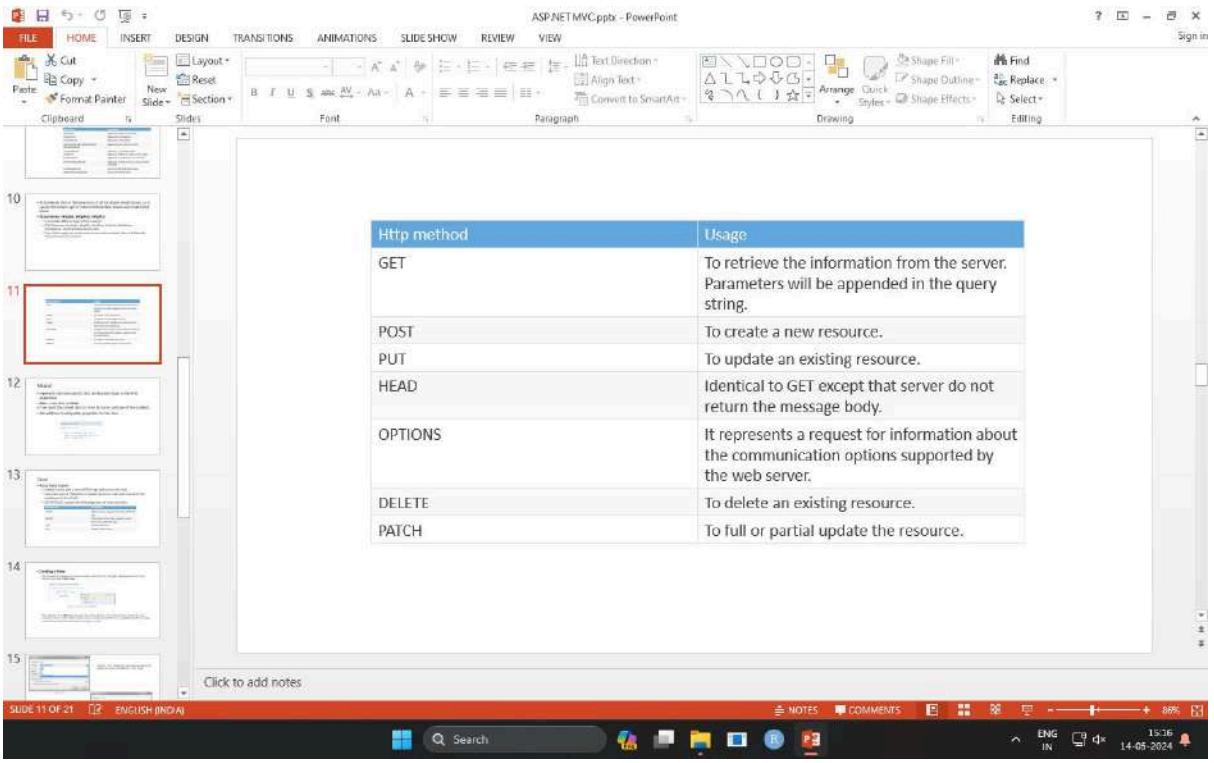

ASP.NET MVC.pptx - PowerPoint
• App_Data
• LocalDB, .mdf files, XML files, and other data related files
• App_Start
configuration-related class files which are needed to be executed at the time of application starts
• Content
static files like Cascading Style Sheet files, images, and icons files
• Controllers
C# class files for the controllers which handles users' request and returns a response
• fonts
font files for your application
• Models
classes that define objects and the logic for interacting with the database or data items
• Scripts
contains JavaScript or VBScript files for the MVC web application
Click to add notes
Search

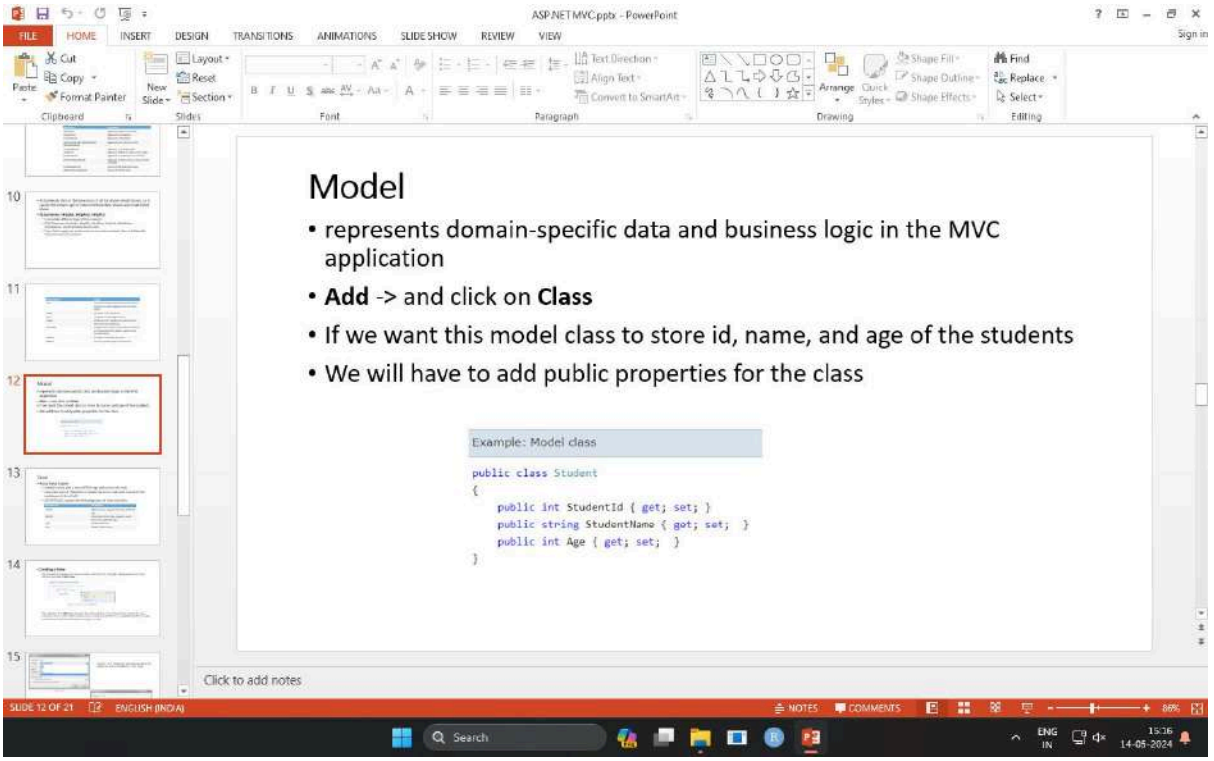

ASP.NET MVC.pptx - PowerPoint
• Views
.cshtml file where you write HTML and C# or VB.NET code
• Global.asax
contains code for responding to application-level and session-level events raised by ASP.NET or by HTTP modules
• Packages.config
maintain the list of packages referenced by the project
• Web.config
an XML-based configuration file used in ASP. NET-based applications to manage various settings that are concerned with the configuration of our website
Click to add notes

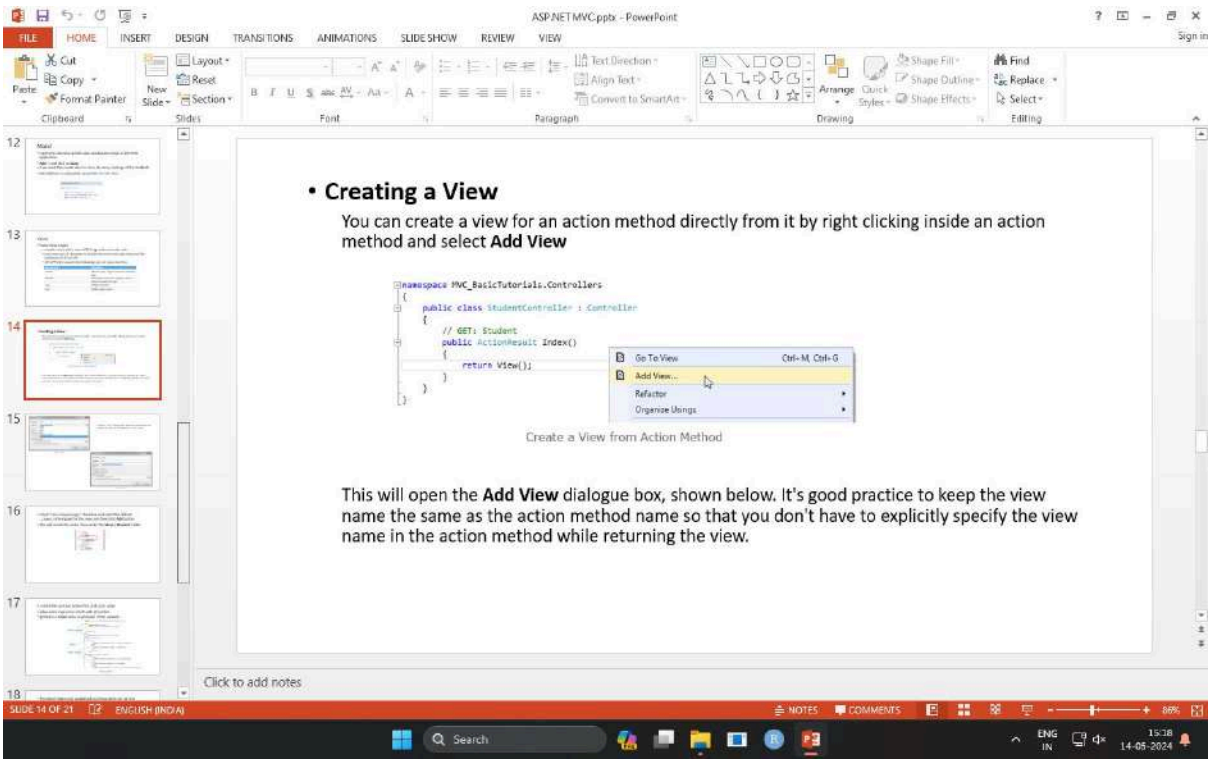

ASP.NET MVC.pptx - PowerPoint
Action method
• Action method must be public. It cannot be private or protected
• Action method cannot be overloaded
• Action method cannot be a static method
• All the public methods of the controller class are called Action Method.
Student Controller class
Base Controller class
Return type
Action method
View() defined in base Controller class
Action Method
• Index() is the default Action Method
Click to add notes

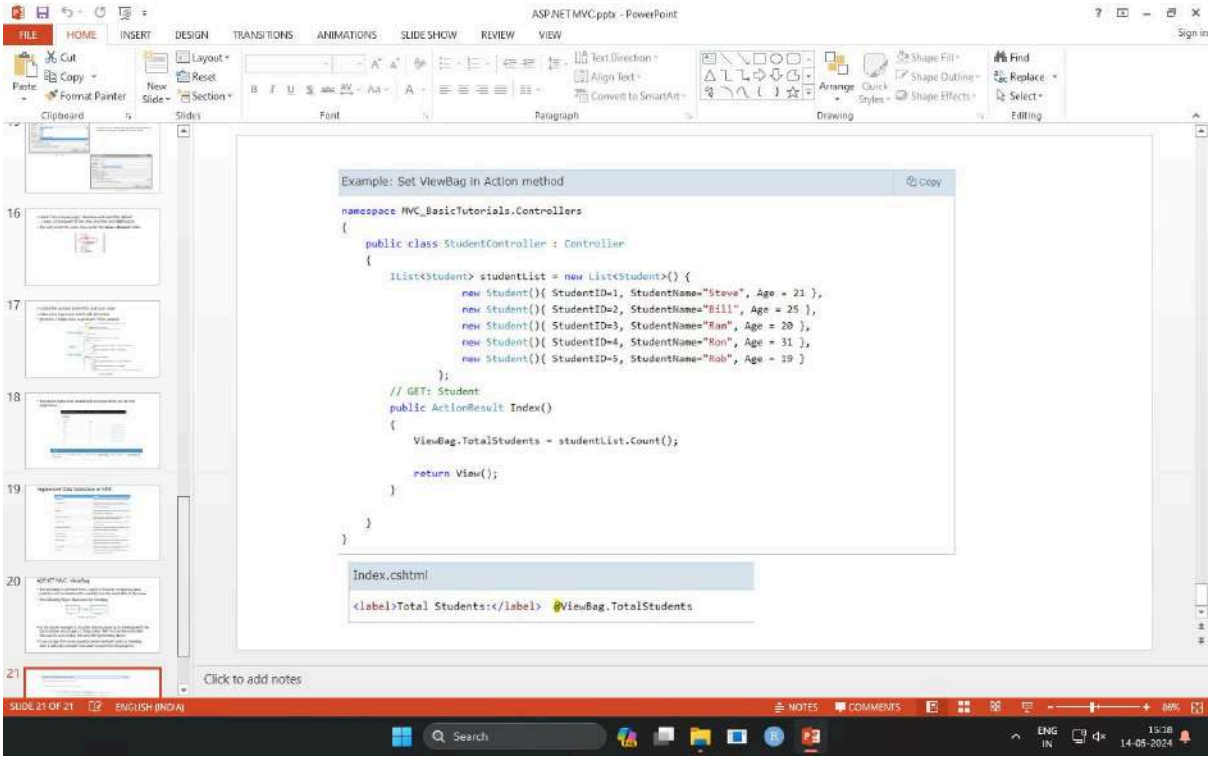

ASP.NET MVC.pptx - PowerPoint
• MVC framework includes various Result class which can be returned from an action method
• Result class represents different types of responses, such as HTML, file, string, JSON, javascript, etc
Result Class | Description
ViewResult | Represents HTML and markup.
EmptyResult | Represents No response.
ContentResult | Represents string literal.
FileContentResult/ FilePathResult/ FileStreamResult | Represents the content of a file.
JavaScriptResult | Represent a JavaScript script.
JsonResult | Represent JSON that can be used in AJAX.
RedirectResult | Represents a redirection to a new URL.
RedirectToRouteResult | Represent another action of same or other controller.
PartialViewResult | Returns HTML from Partial view.
HttpUnauthorizedResult | Returns HTTP 403 status.
Click to add notes

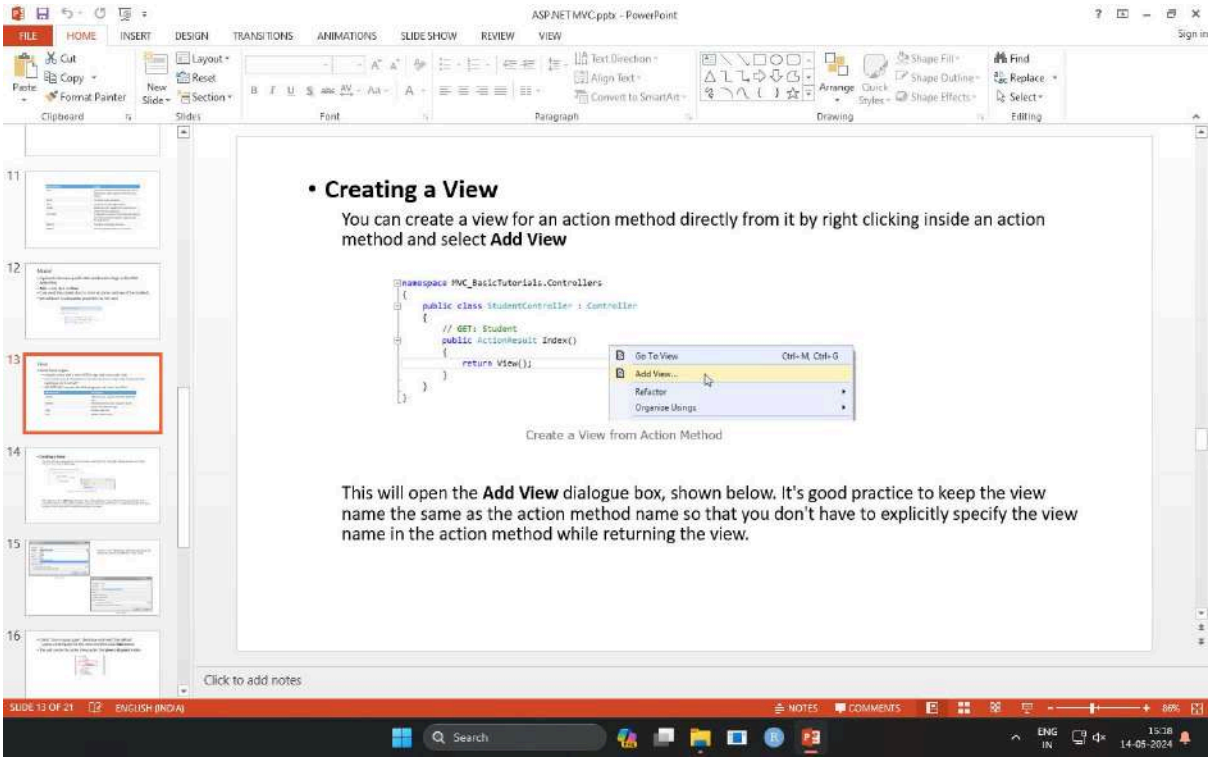

ASP.NET MVC.pptx - PowerPoint
• ActionResult class is the base class of all the above result classes, so it can be the return type of action method that returns any result listed above
• ActionVerbs: HttpGet, HttpPost, HttpPut
• is to handle different type of Http requests
• MVC framework includes HttpGet, HttpPost, HttpPut, HttpDelete, HttpOptions, and HttpPatch action verbs
• If you don't apply any action verbs to an action method, then it will handle HttpGet request by default
Click to add notes


ASP.NET MVC.pptx - PowerPoint
Http method
Usage
GET
To retrieve the information from the server. Parameters will be appended in the query string.
POST
To create a new resource.
PUT
To update an existing resource.
HEAD
Identical to GET except that server do not return the message body.
OPTIONS
It represents a request for information about the communication options supported by the web server.
DELETE
To delete an existing resource.
PATCH
To full or partial update the resource.
Click to add notes

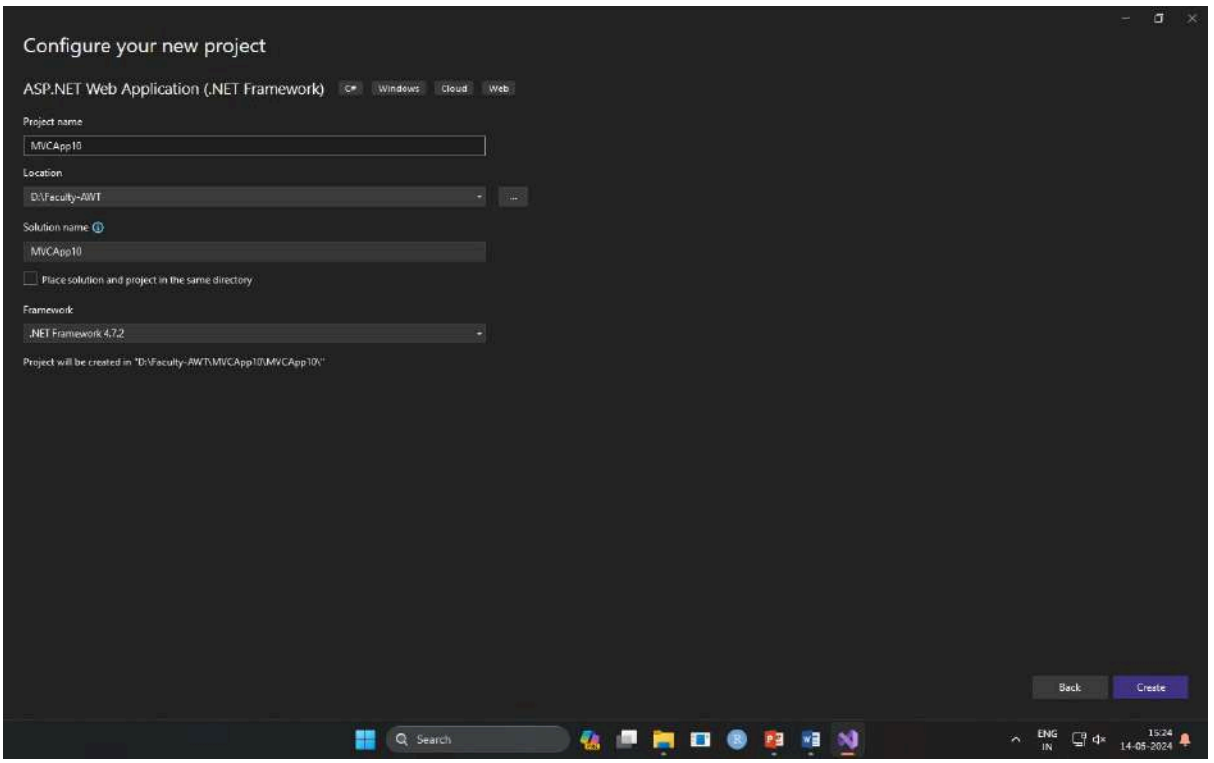

ASP.NET MVC.pptx - PowerPoint
Model
• represents domain-specific data and business logic in the MVC application
• Add -> and click on Class
• If we want this model class to store id, name, and age of the students
• We will have to add public properties for the class
Example: Model class
public class Student
{
public int StudentId { get; set; }
public string StudentName { get; set; }
public int Age { get; set; }
}
Click to add notes

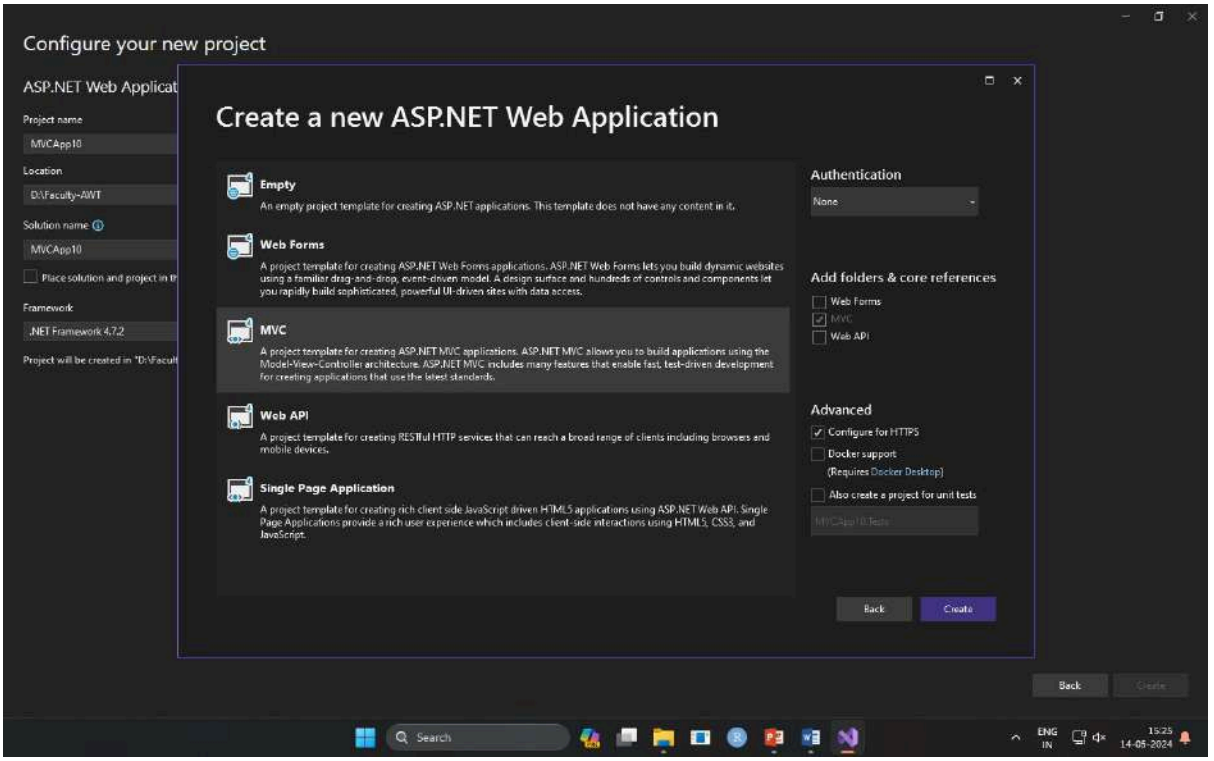

ASP.NET MVC.pptx - PowerPoint
FILE
HOME
INSERT
DESIGN
TRANSITIONS
ANIMATIONS
SLIDE SHOW
REVIEW
VIEW
Creating a View
You can create a view for an action method directly from it by right clicking inside an action method and select Add View
Go To View
Add View...
Refactor
Organize Usings
Create a View from Action Method
This will open the Add View dialogue box, shown below. It's good practice to keep the view name the same as the action method name so that you don't have to explicitly specify the view name in the action method while returning the view.
Click to add notes
SLIDE 14 OF 21
ENGLISH (INDIA)
NOTES
COMMENTS
Search

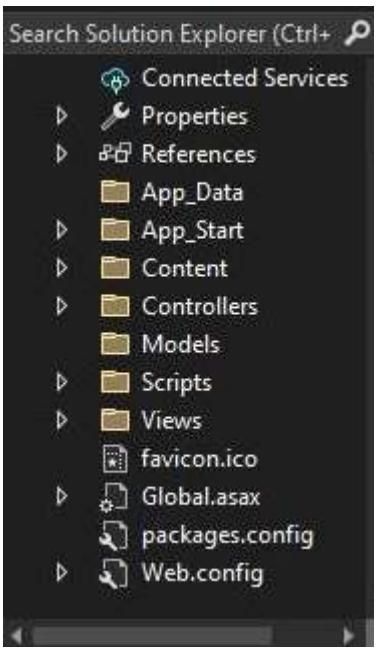


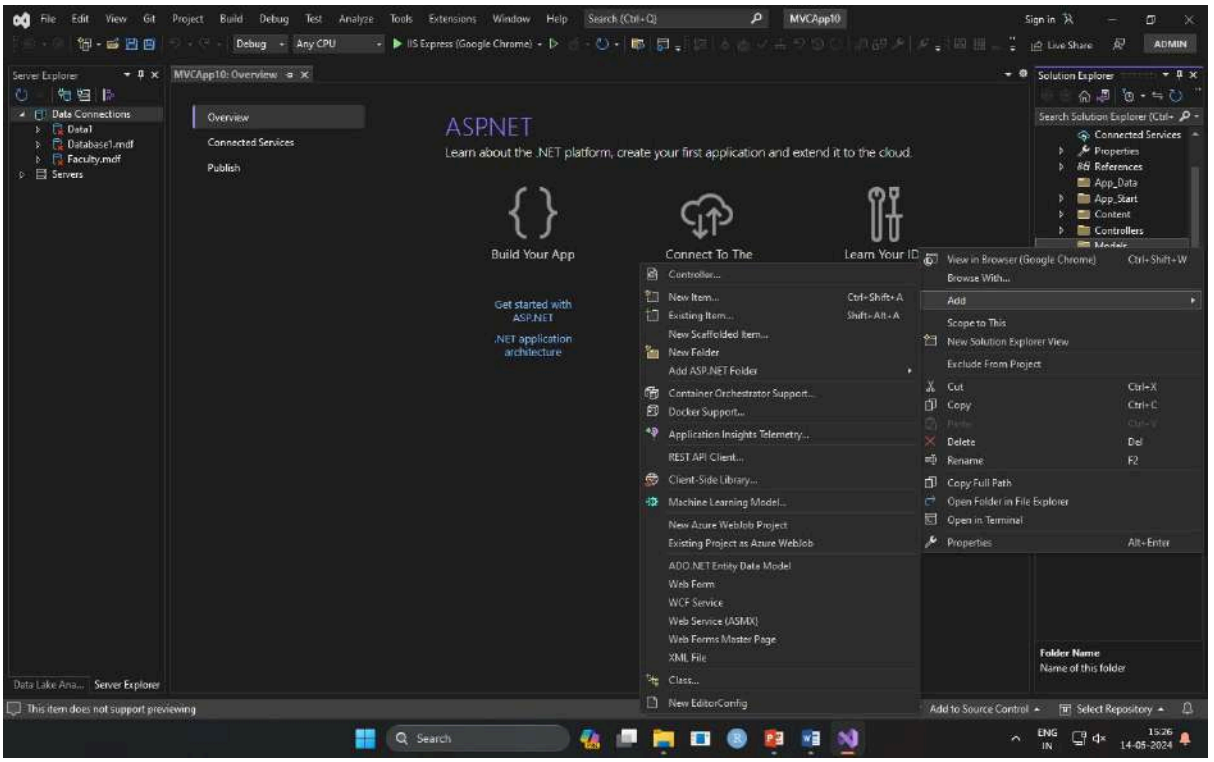


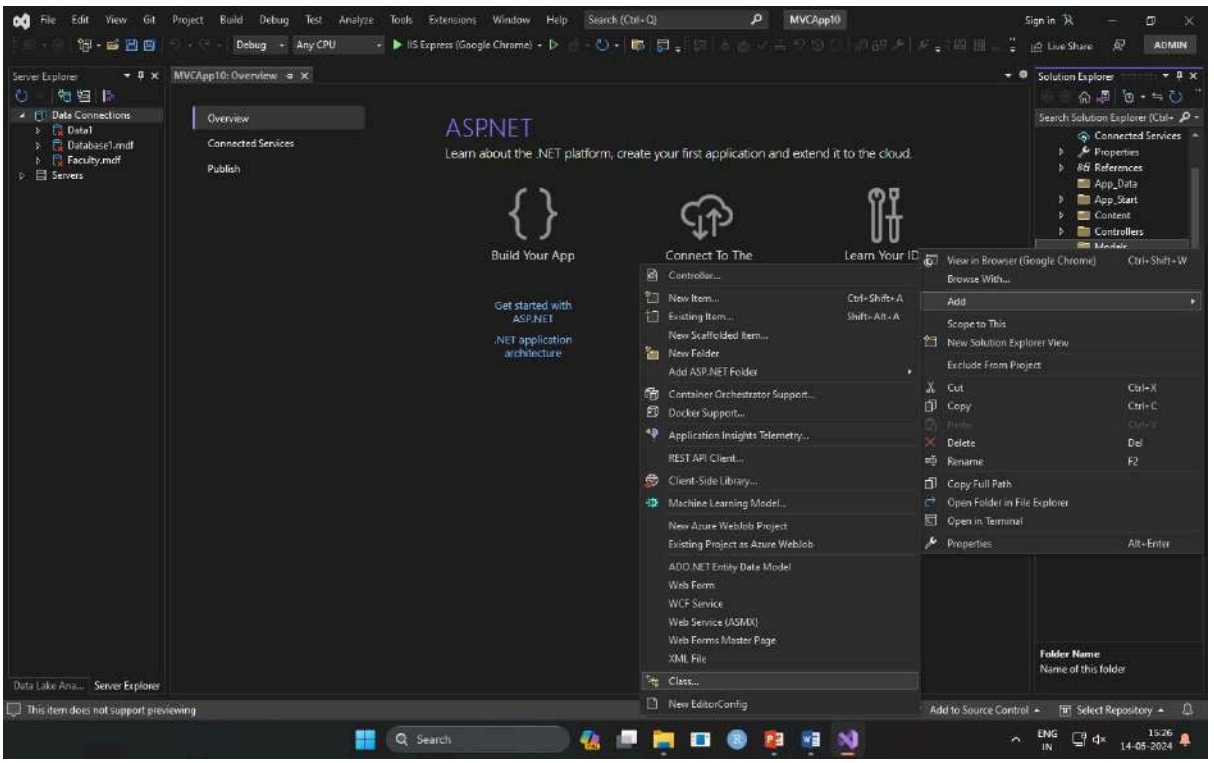
Steps:
Most imp prac

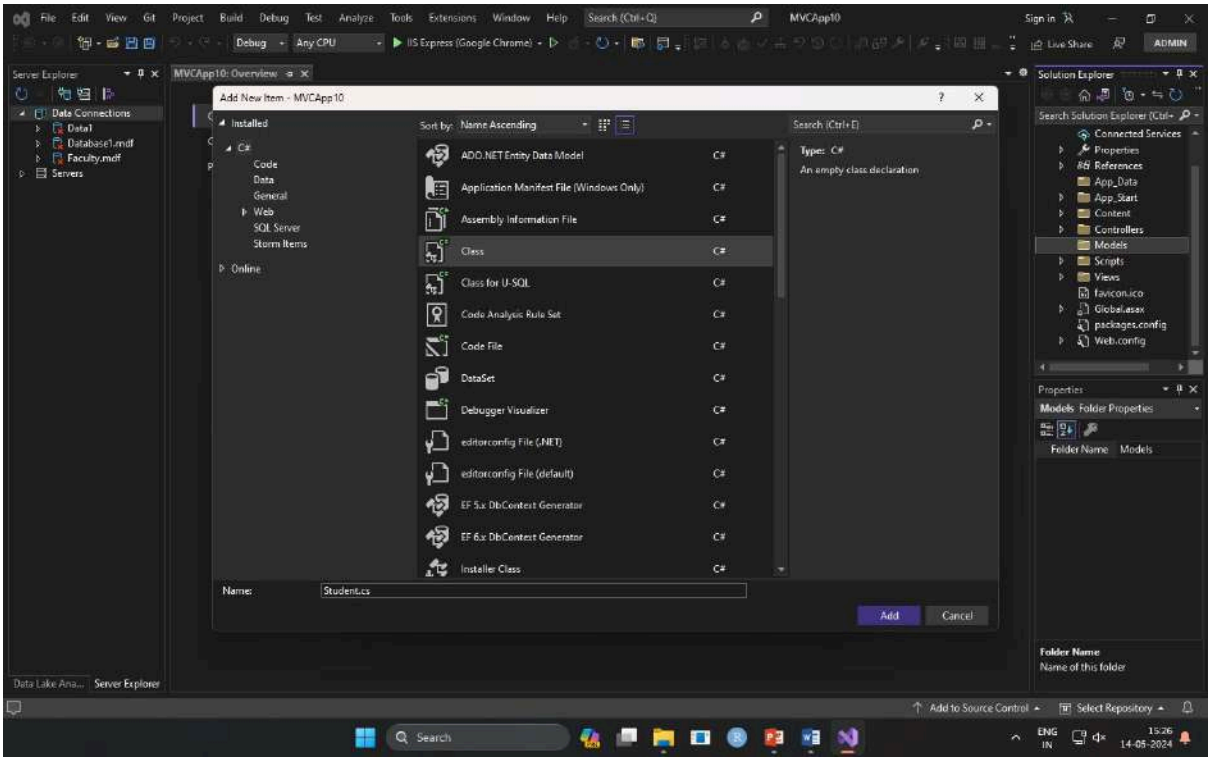

Configure your new project
ASP.NET Web Application (.NET Framework)
C#
Windows
Cloud
Web
Project name
MVCApp10
Location
D:\Faculty-AWT
Solution name
MVCApp10
Place solution and project in the same directory
Framework
.NET Framework 4.7.2
Project will be created in "D:\Faculty-AWT\MVCApp10\MVCApp10\"
Back
Create
Search
ENG
IN
15:24
14-05-2024

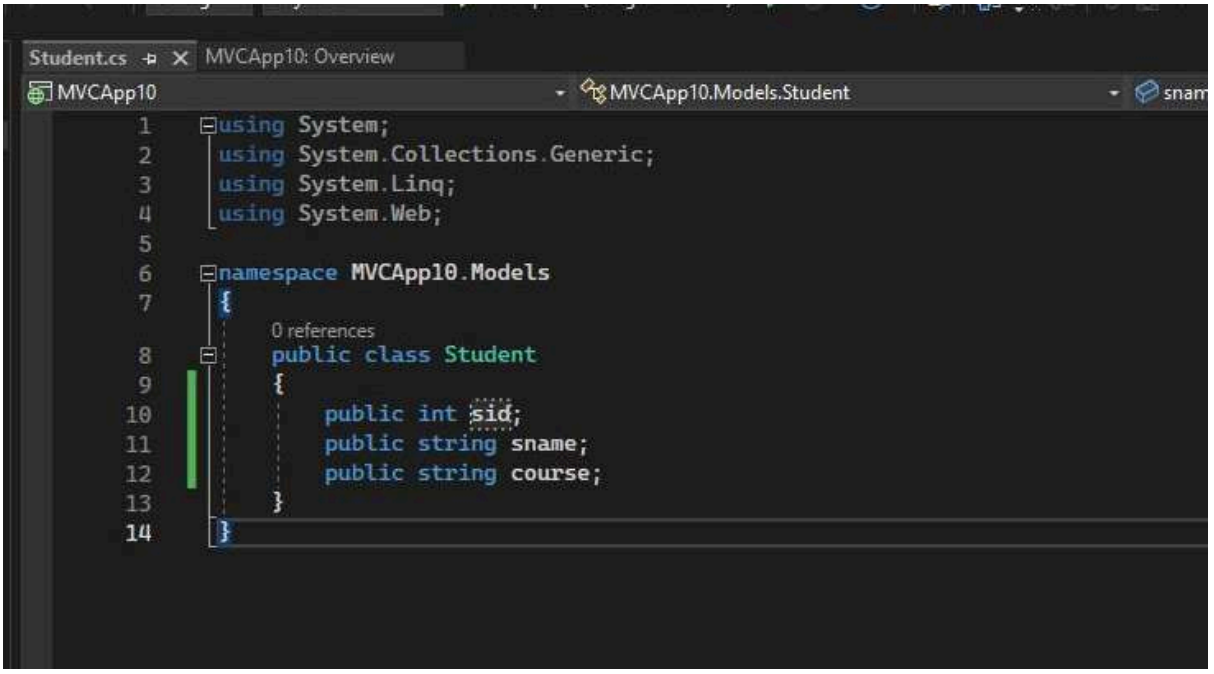

Configure your new project
ASP.NET Web Applicat
Project name
MVCApp10
Location
D:\Faculty-AWT
Solution name
MVCApp10
Framework
.NET Framework 4.7.2
Create a new ASP.NET Web Application
Empty
An empty project template for creating ASP.NET applications. This template does not have any content in it.
Web Forms
A project template for creating ASP.NET Web Forms applications. ASP.NET Web Forms lets you build dynamic websites using a familiar drag-and-drop, event-driven model. A design surface and hundreds of controls and components let you rapidly build sophisticated, powerful UI-driven sites with data access.
MVC
A project template for creating ASP.NET MVC applications. ASP.NET MVC allows you to build applications using the Model-View-Controller architecture. ASP.NET MVC includes many features that enable fast, test-driven development for creating applications that use the latest standards.
Web API
A project template for creating RESTful HTTP services that can reach a broad range of clients including browsers and mobile devices.
Single Page Application
A project template for creating rich client-side JavaScript driven HTML5 applications using ASP.NET Web API. Single Page Applications provide a rich user experience which includes client-side interactions using HTML5, CSS3, and JavaScript.
Authentication
None
Add folders & core references
Web Forms
MVC
Web API
Advanced
Configure for HTTPS
Docker support
(Requires Docker Desktop)
Also create a project for unit tests
Back
Create
Back
Search
ENG
IN
15:25
14-05-2024


Search Solution Explorer (Ctrl+
Connected Services
Properties
References
App_Data
App_Start
Content
Controllers
Models
Scripts
Views
favicon.ico
Global.asax
packages.config
Web.config

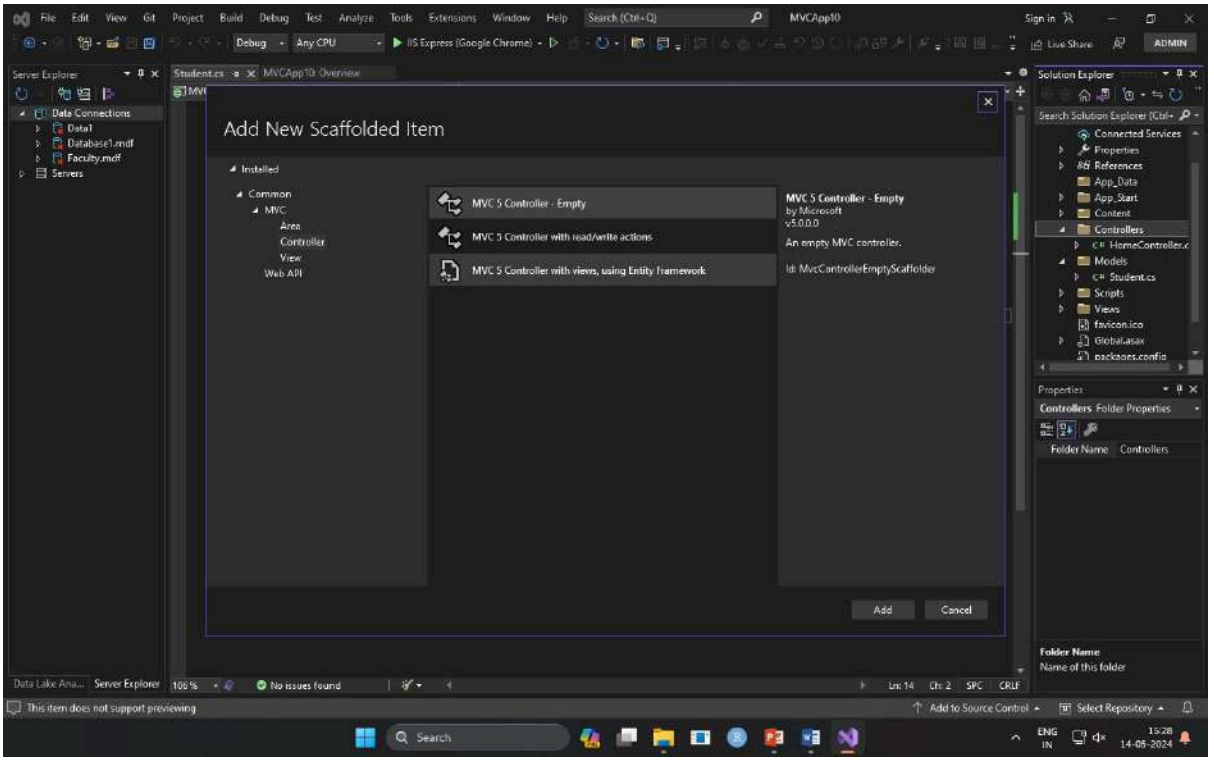

ASP.NET
Learn about the .NET platform, create your first application and extend it to the cloud.
Build Your App
Connect To The
Learn Your ID
Get started with ASP.NET
.NET application architecture
Overview
Connected Services
Publish
Add
New Item...
Existing Item...
New Folder
Add ASP.NET Folder
Cut
Copy
Delete
Rename
Properties
Search
This item does not support previewing


File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
MVCApp10
Sign in
Live Share
ADMIN
Debug
Any CPU
IIS Express (Google Chrome)
Server Explorer
Data Connections
Data1
Database1.mdf
Faculty.mdf
Servers
MVCApp10: Overview
Overview
Connected Services
Publish
ASP.NET
Learn about the .NET platform, create your first application and extend it to the cloud.
Build Your App
Connect To The
Learn Your IDE
Get started with ASP.NET
.NET application architecture
Solution Explorer
Search Solution Explorer (Ctrl+
Connected Services
Properties
References
App_Data
App_Start
Content
Controllers
Models
Controller...
New Item... Ctrl+Shift+A
Existing Item... Shift+Alt+A
New Scaffolded Item...
New Folder
Add ASP.NET Folder
Container Orchestrator Support...
Docker Support...
Application Insights Telemetry...
REST API Client...
Client-Side Library...
Machine Learning Model...
New Azure Weblob Project
Existing Project as Azure Weblob
ADO.NET Entity Data Model
Web Form
WCF Service
Web Service (ASMX)
Web Forms Master Page
XML File
Class...
New EditorConfig
View in Browser (Google Chrome) Ctrl+Shift+W
Browse With...
Add
Scope to This
New Solution Explorer View
Exclude From Project
Cut Ctrl+X
Copy Ctrl+C
Delete Del
Rename F2
Copy Full Path
Open Folder in File Explorer
Open in Terminal
Properties Alt+Enter
Folder Name
Name of this folder
Data Lake Ana...
Server Explorer
This item does not support previewing
Add to Source Control
Select Repository
Search
ENG
IN
15:26
14-05-2024

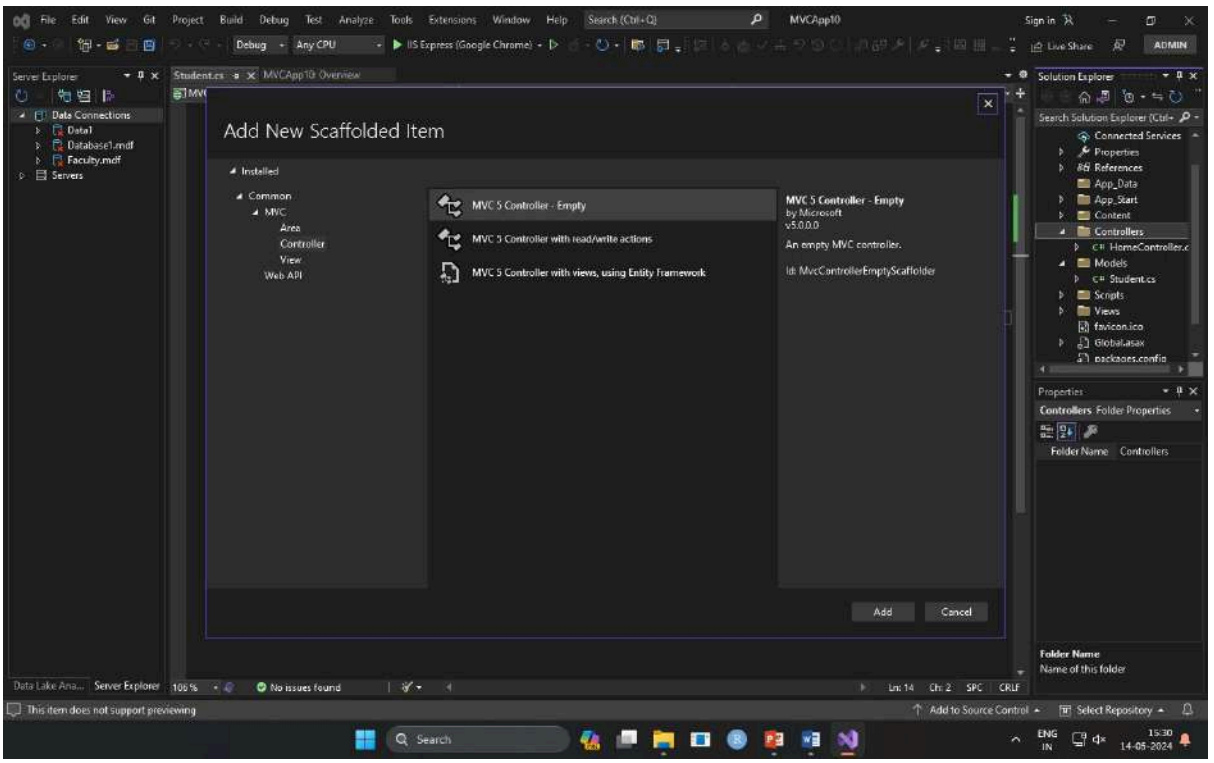


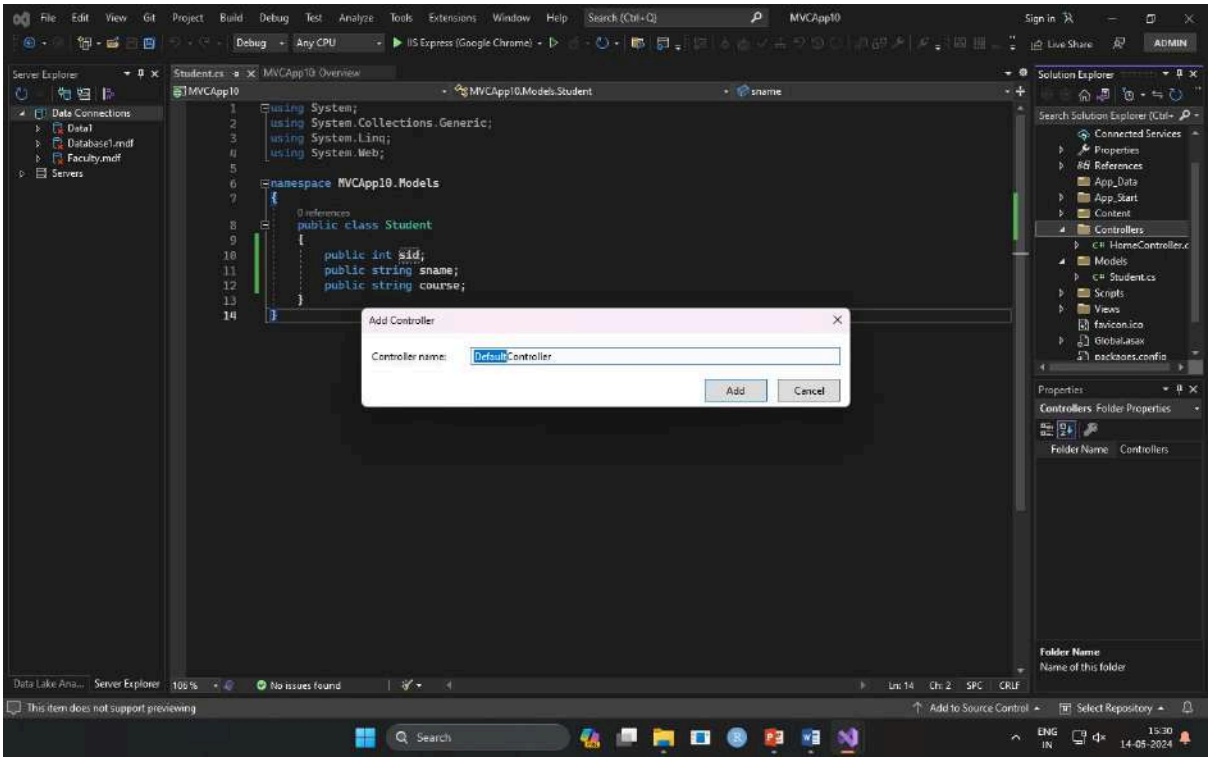


Right click controller folder add controller

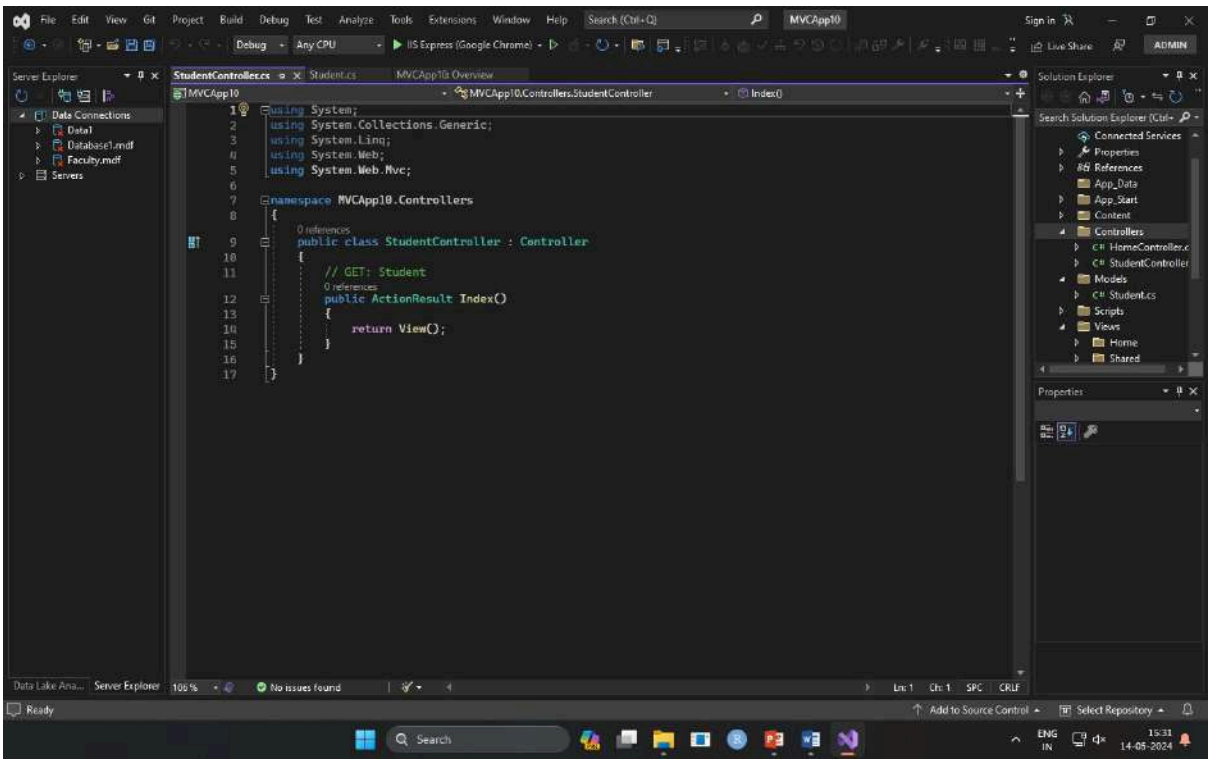


Entity framework -> another way to get data from database

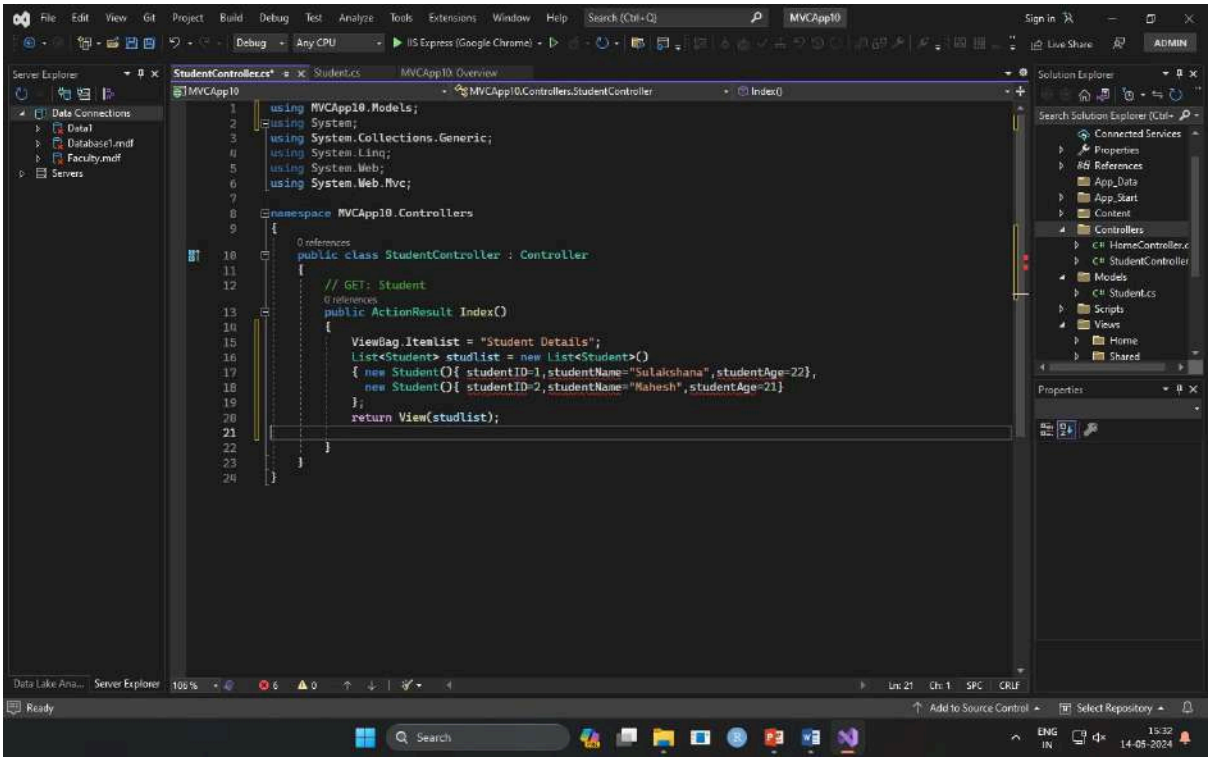


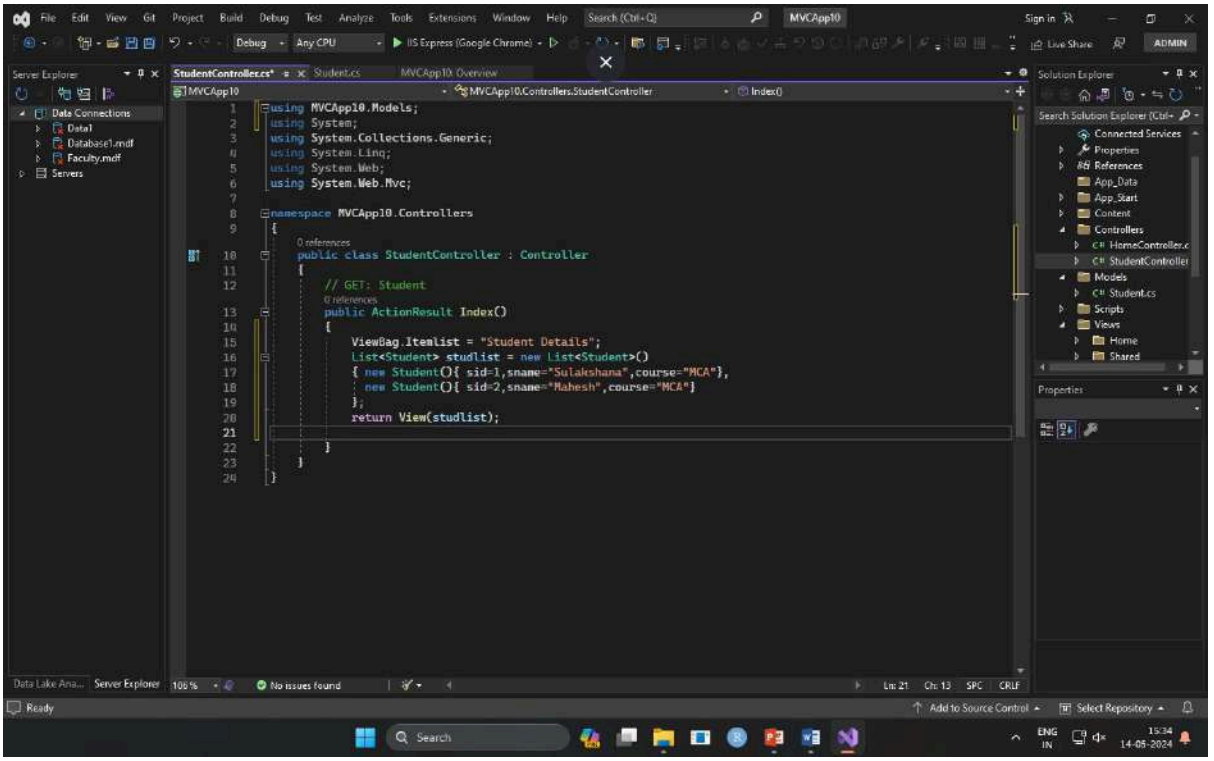


Model class is student therefore we will have student.controller

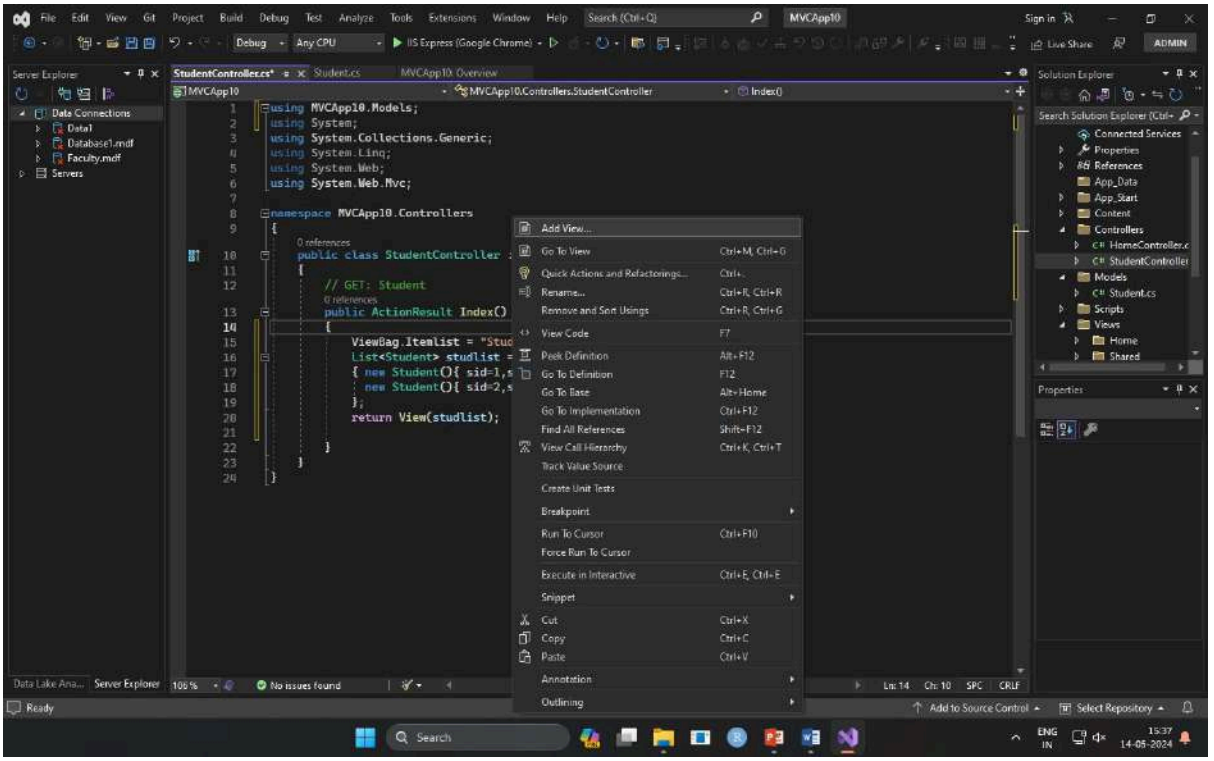


Action method provide data to model view

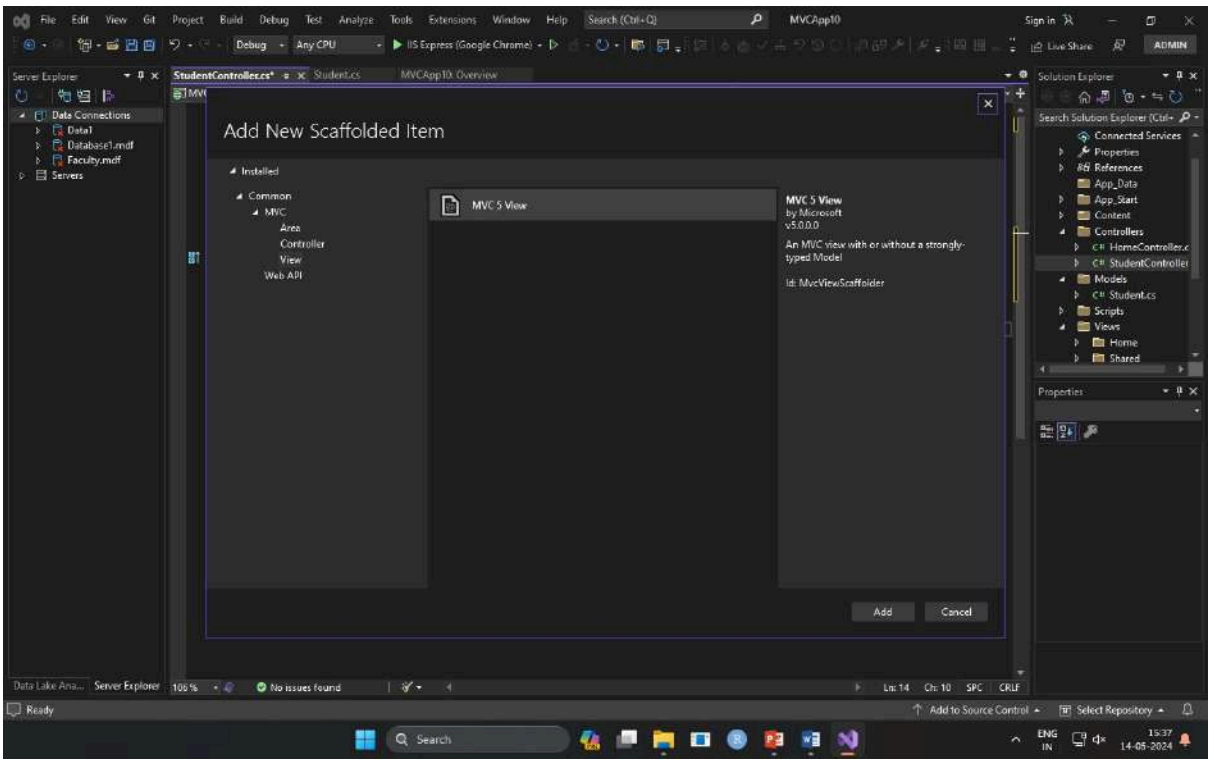


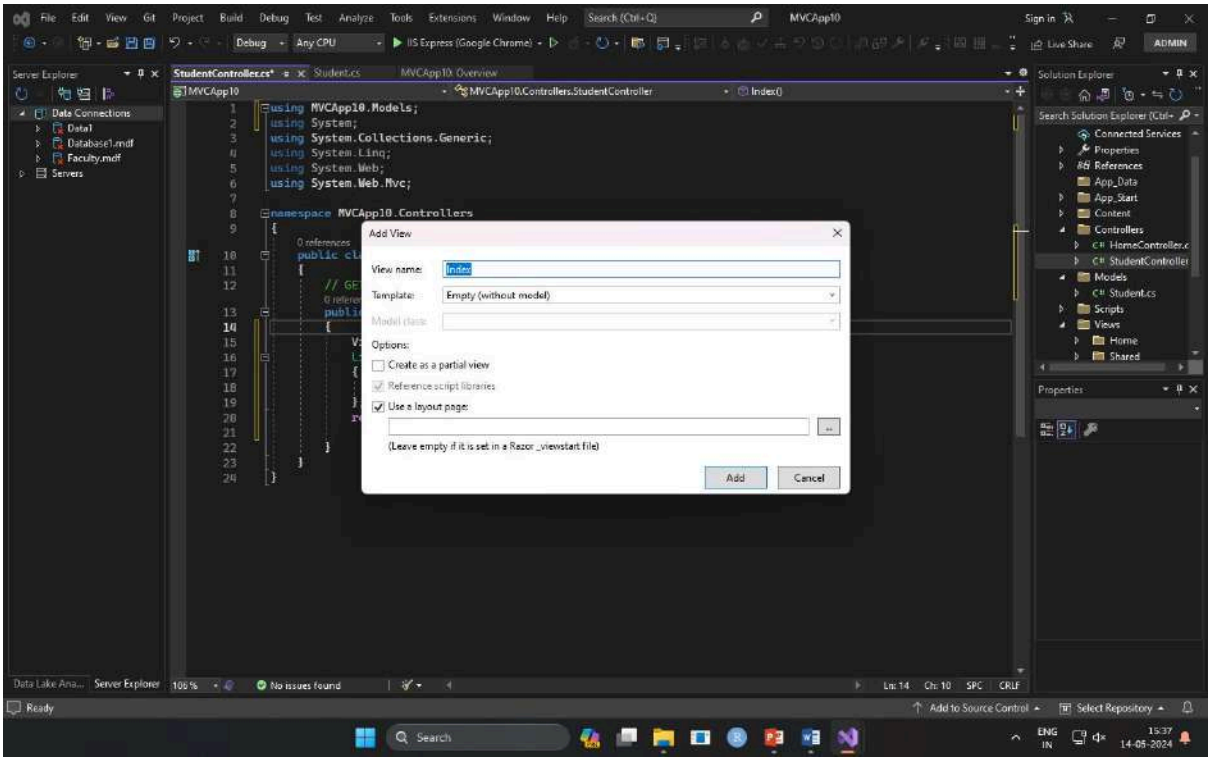


What is a view bag
To add view ->
Right click inside body {}
Add view

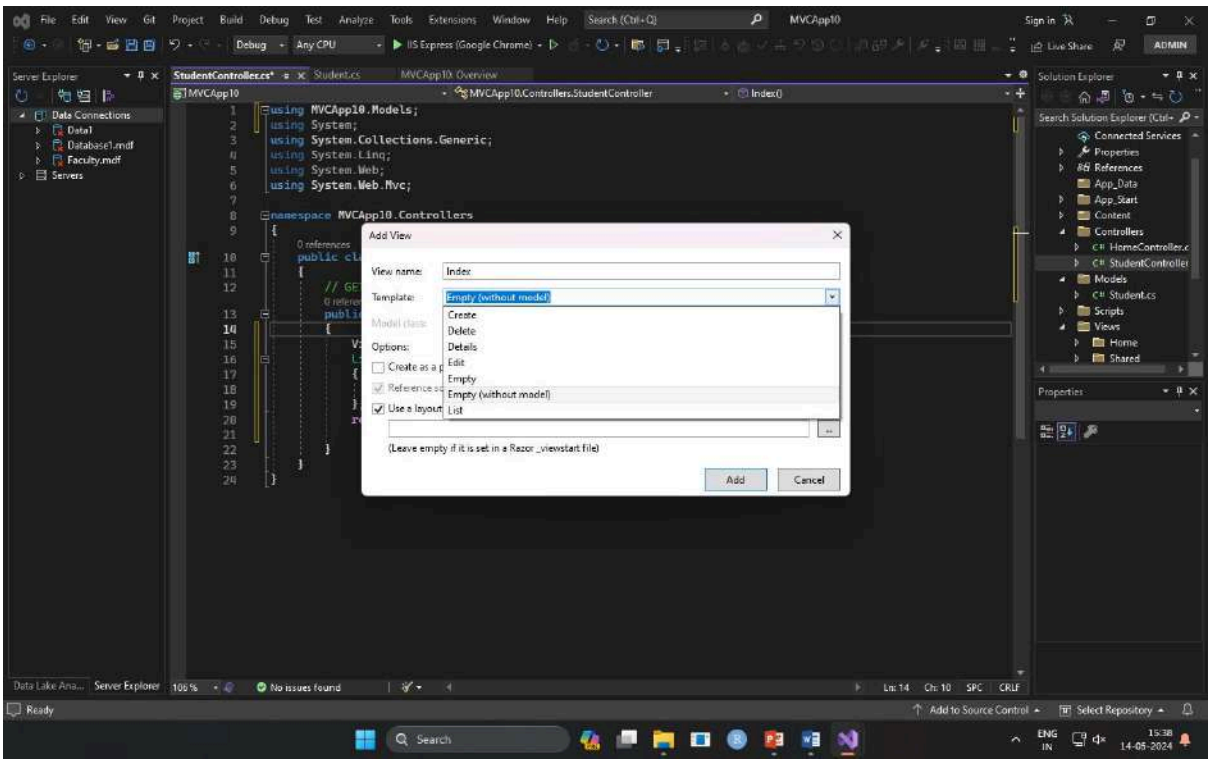


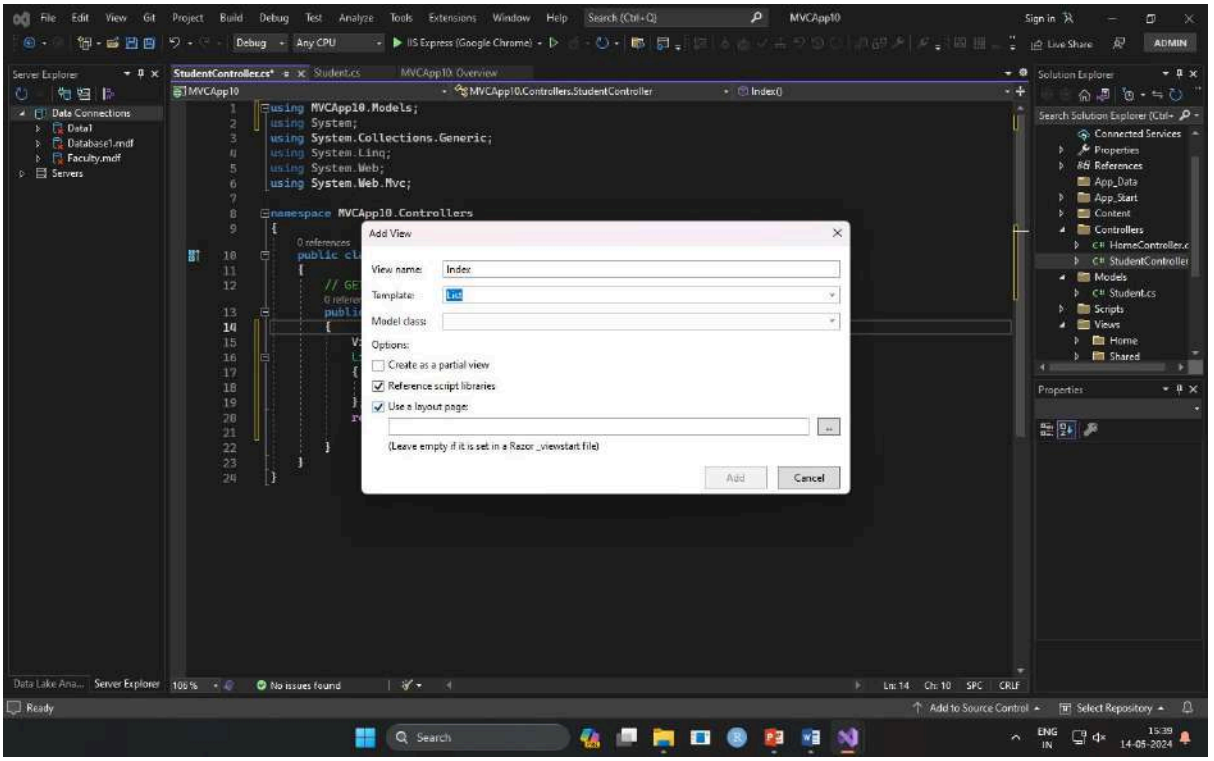
Add view

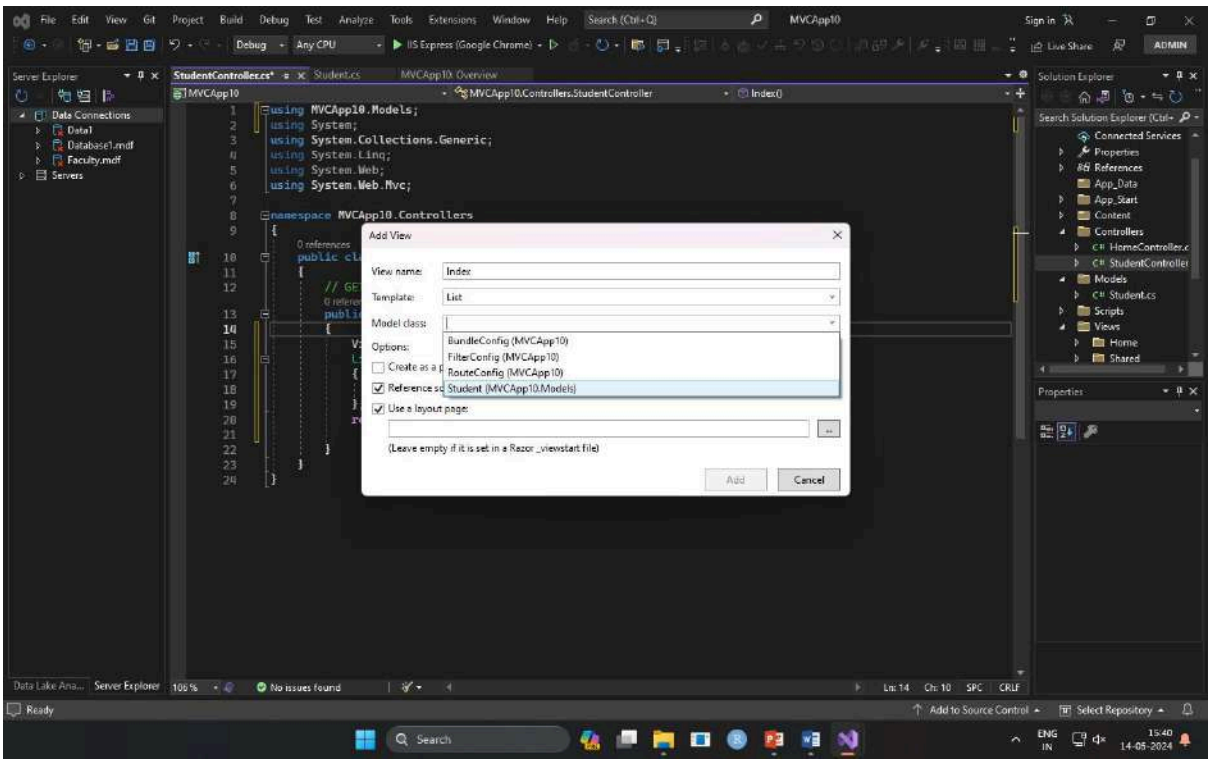


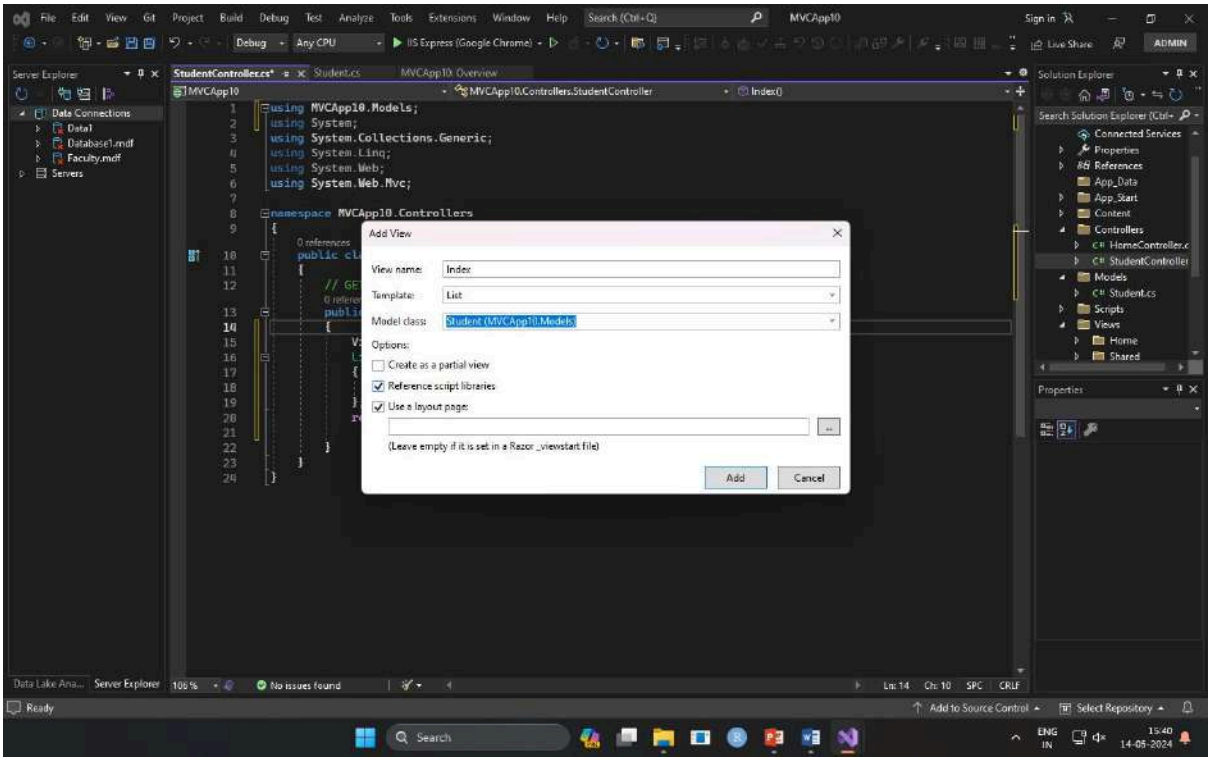


Action method name and view name should be same

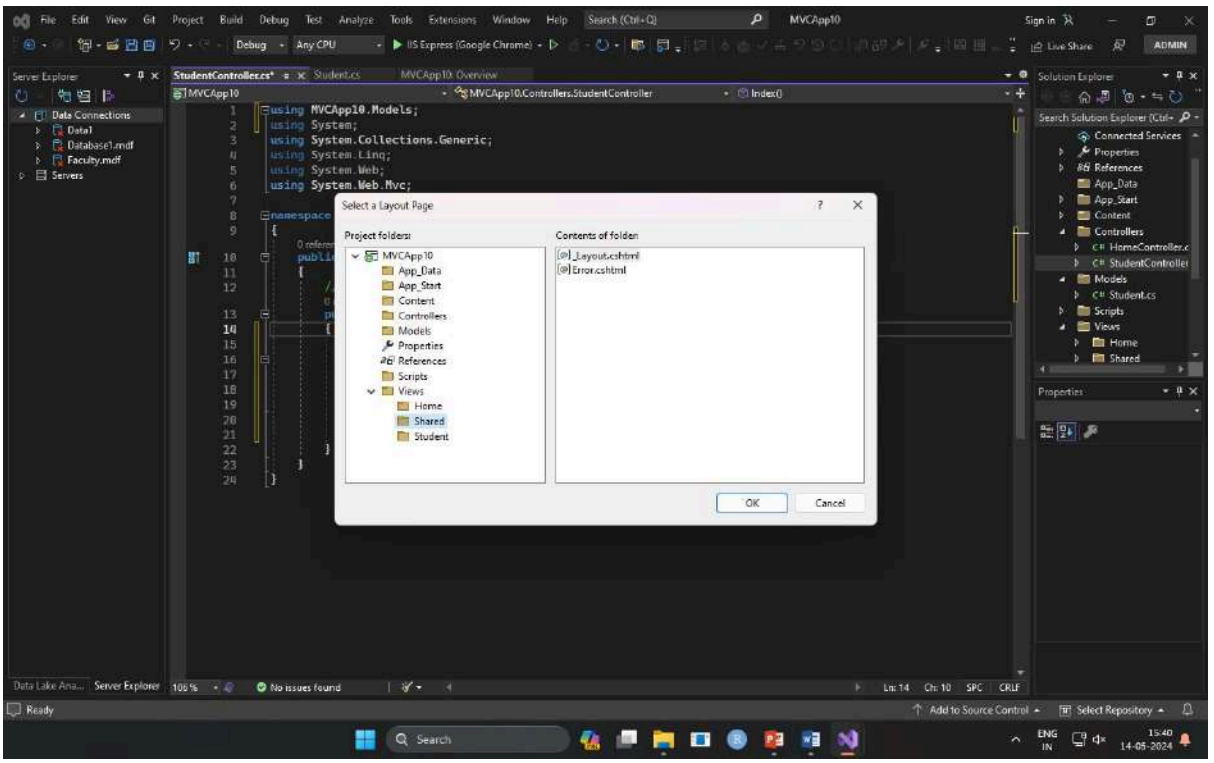

Add View
View name: Index
Template: Empty (without model)
Create
Delete
Details
Edit
Empty
Empty (without model)
List
Options:
Create as a partial view
Reference script libraries
Use a layout page:
(Leave empty if it is set in a Razor _viewstart file)
Add
Cancel

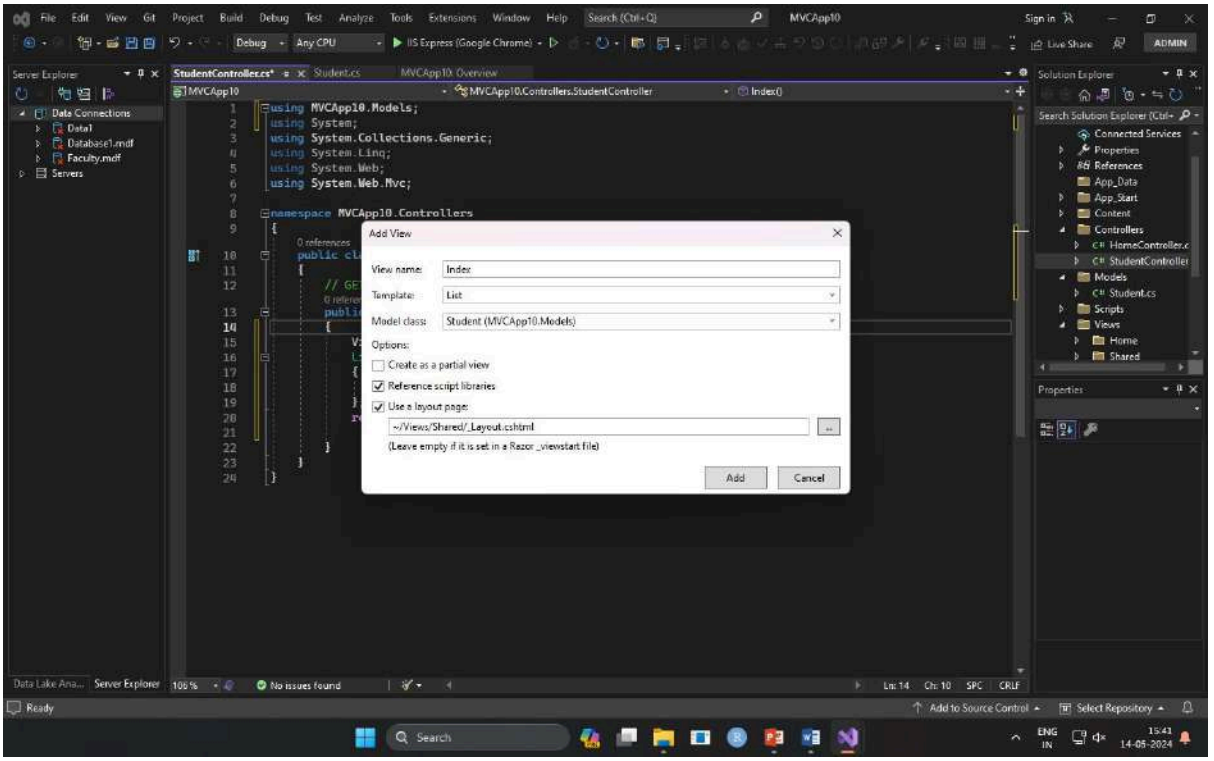

Add View
View name: Index
Template: Empty (without model)
Model class:
Options:
Create as a partial view
Reference script libraries
Use a layout page:
(Leave empty if it is set in a Razor _viewstart file)
Add
Cancel

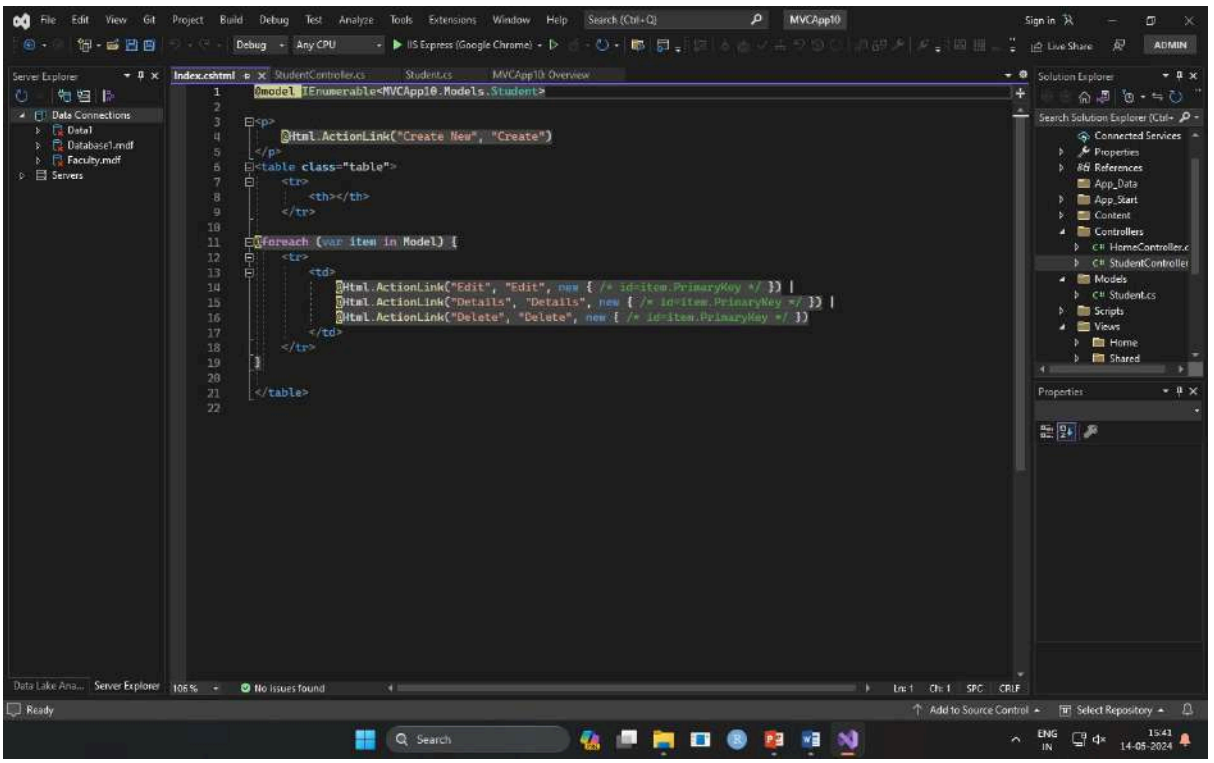




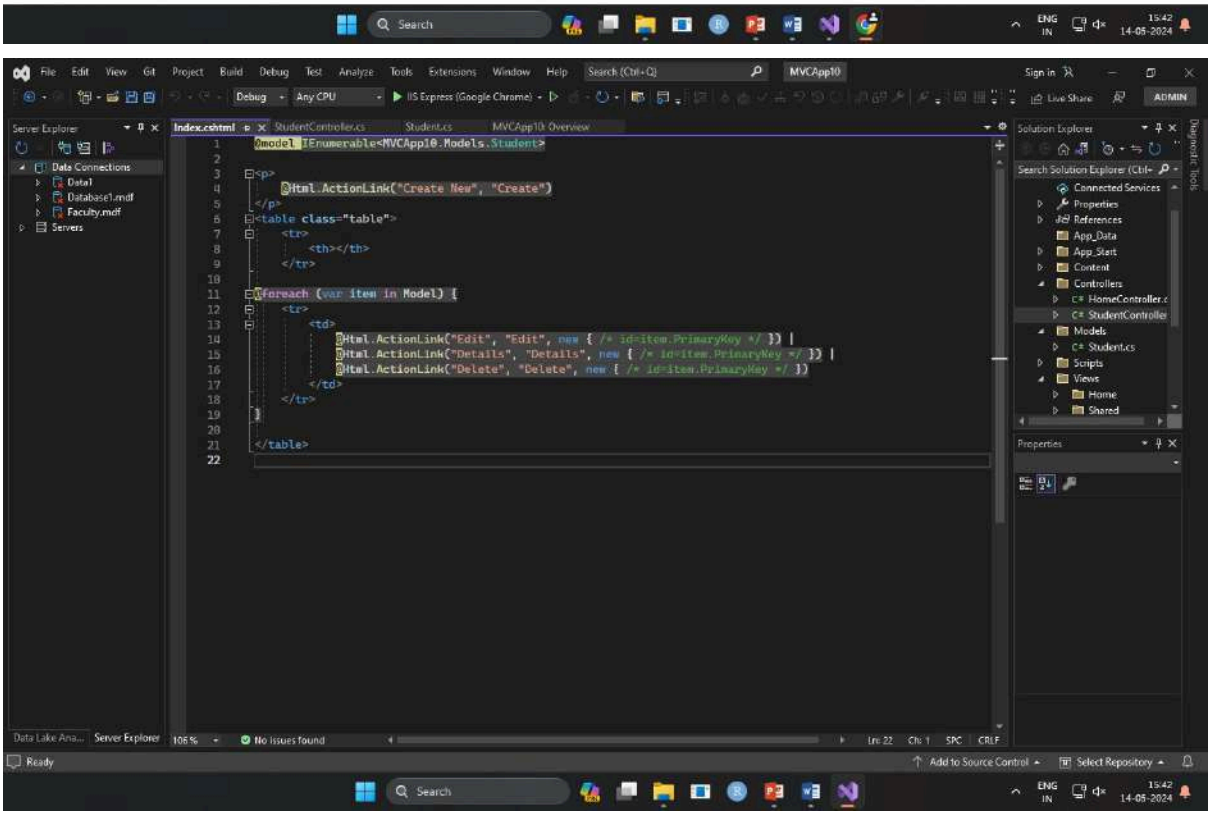
layout will be default layout

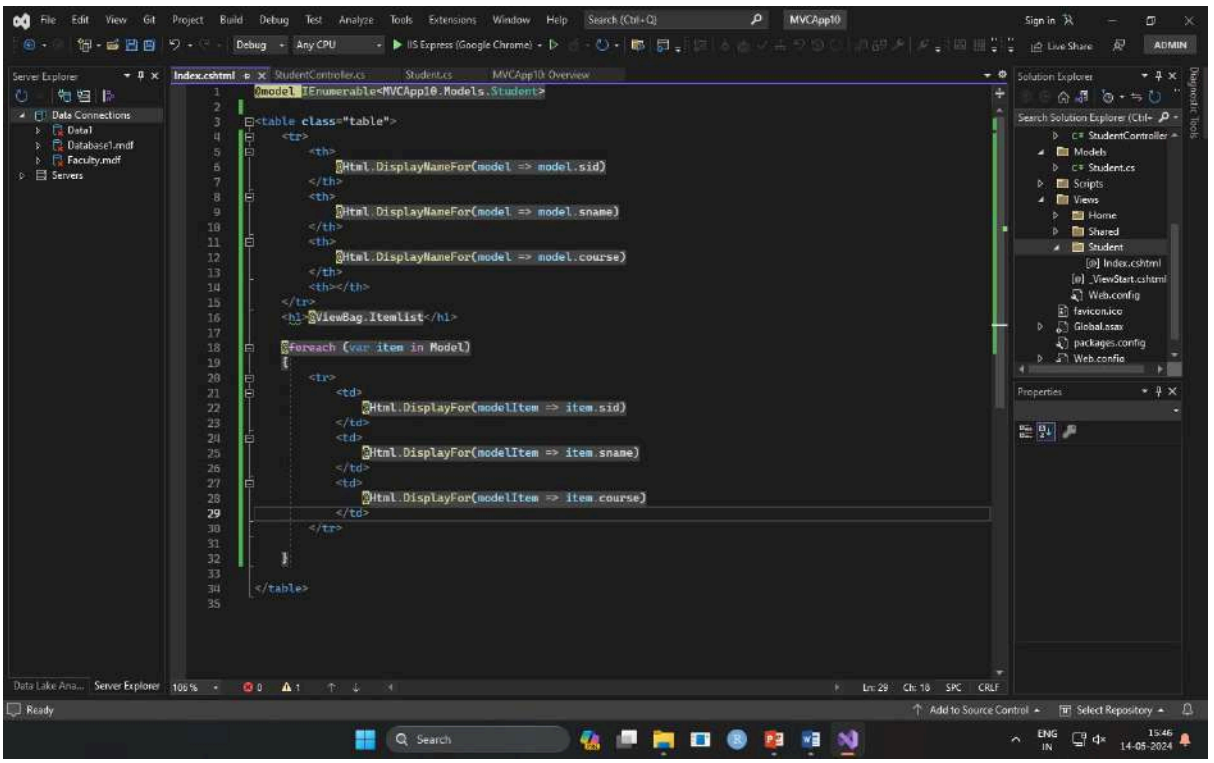

Select a Layout Page
Project folders:
Contents of folder:
MVCApp10
App_Data
App_Start
Content
Controllers
Models
Properties
References
Scripts
Views
Home
Shared
Student
_Layout.cshtml
Error.cshtml
OK
Cancel

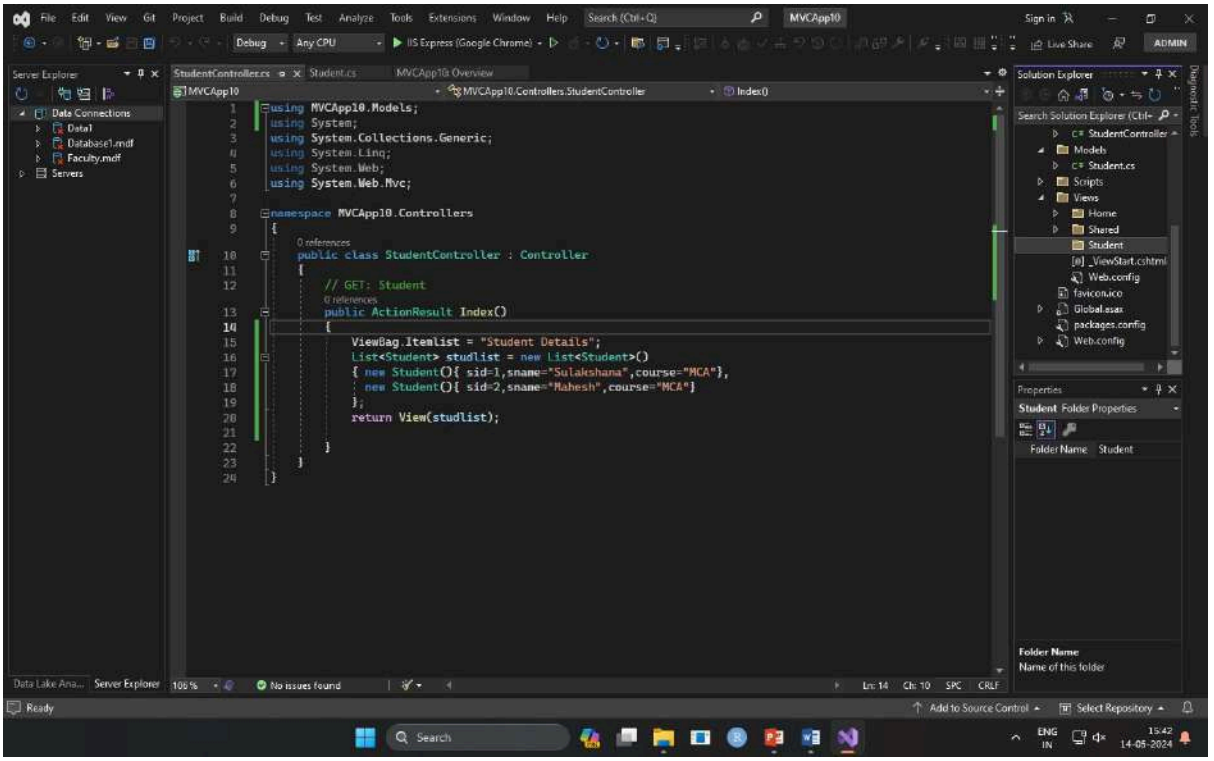

Add View
View name:
Index
Template:
List
Model class:
Student (MVCApp10.Models)
Options:
Create as a partial view
Reference script libraries
Use a layout page:
~/Views/Shared/_Layout.cshtml
(Leave empty if it is set in a Razor _viewstart file)
Add
Cancel

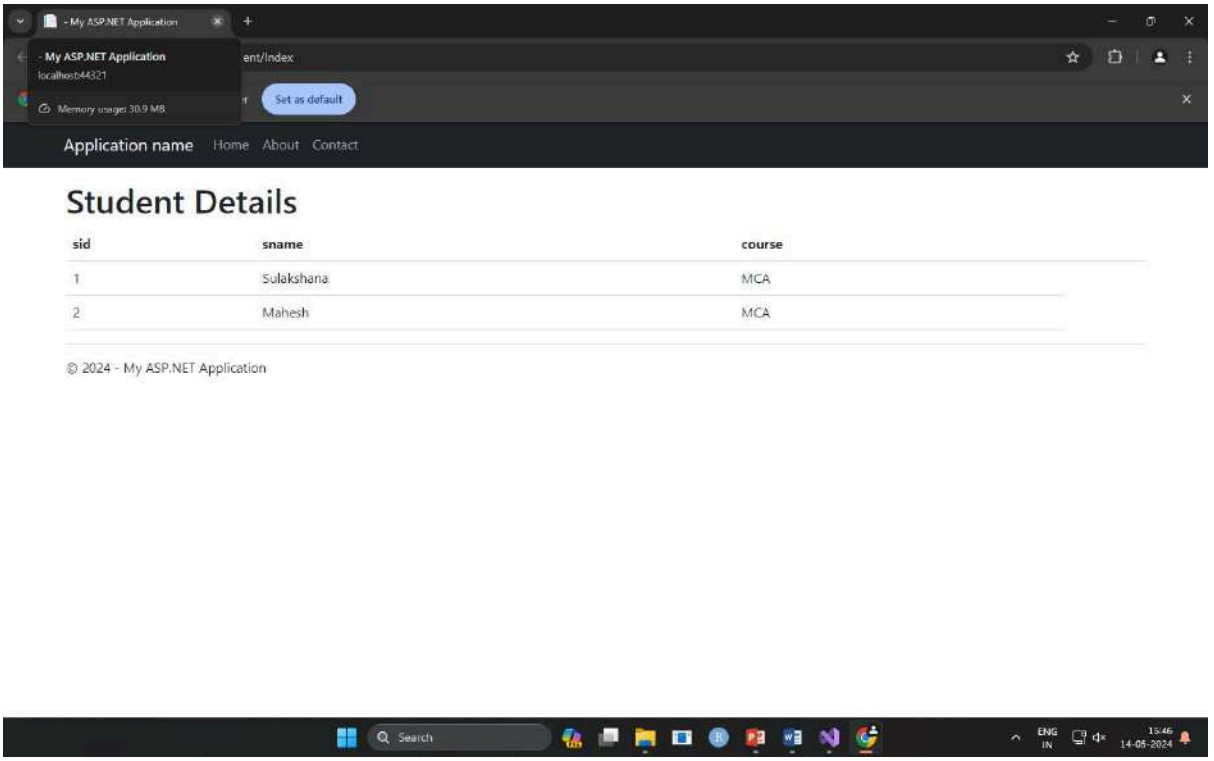

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
MVCApp10
Sign in
Live Share
ADMIN
Debug
Any CPU
IIS Express (Google Chrome)
Server Explorer
Data Connections
Data1
Database1.mdf
Faculty.mdf
Servers
Index.cshtml
StudentController.cs
Student.cs
MVCApp10: Overview
@model IEnumerable<MVCApp10.Models.Student>
@Html.ActionLink("Create New", "Create")
</p>
<table class="table">
<tr>
<th></th>
</tr>
@foreach (var item in Model) {
<tr>
<td>
@Html.ActionLink("Edit", "Edit", new { /* id=item.PrimaryKey */ }) |
@Html.ActionLink("Details", "Details", new { /* id=item.PrimaryKey */ }) |
@Html.ActionLink("Delete", "Delete", new { /* id=item.PrimaryKey */ })
</td>
</tr>
}
</table>
Solution Explorer
Search Solution Explorer (Ctrl+
Connected Services
Properties
References
App_Data
App_Start
Content
Controllers
HomeController.c
StudentControlle
Models
Student.cs
Scripts
Views
Home
Shared
Properties
Data Lake Ana...
Server Explorer
106 %
No issues found
Ln: 1
Ch: 1
SPC
CRLF
Ready
Add to Source Control
Select Repository
Search
ENG
IN
15:41
14-05-2024


My ASP.NET Application
localhost:44321/Student/Index
Google Chrome isn't your default browser
Set as default
Application name
Home
About
Contact
Create New
Edit | Details | Delete
Edit | Details | Delete
© 2024 - My ASP.NET Application


@model IEnumerable<MVCApp10.Models.Student>
@Html.ActionLink("Create New", "Create")
@foreach (var item in Model) {
@Html.ActionLink("Edit", "Edit", new { /* id=item.PrimaryKey */ }) |
@Html.ActionLink("Details", "Details", new { /* id=item.PrimaryKey */ }) |
@Html.ActionLink("Delete", "Delete", new { /* id=item.PrimaryKey */ })

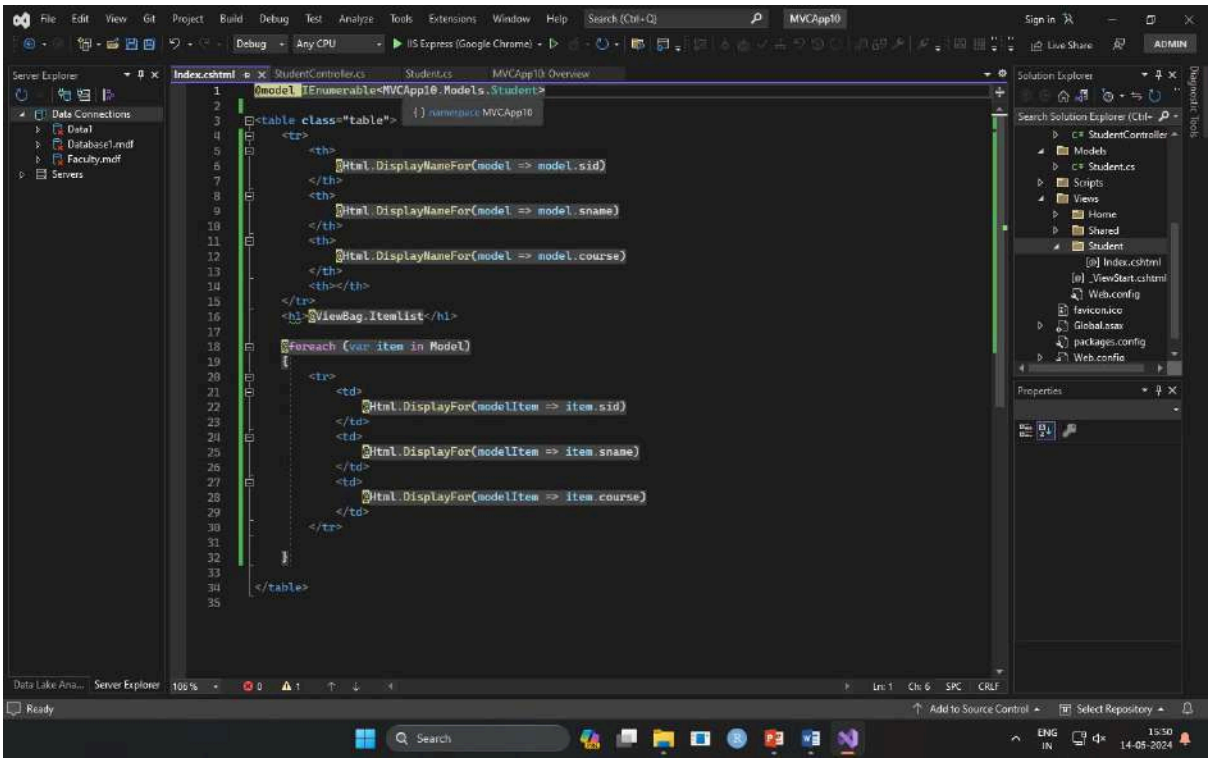

@model IEnumerable<MVCApp10.Models.Student>
<table class="table">
<tr>
<th>
@Html.DisplayNameFor(model => model.sid)
</th>
<th>
@Html.DisplayNameFor(model => model.sname)
</th>
<th>
@Html.DisplayNameFor(model => model.course)
</th>
<th></th>
</tr>
<h1>@ViewBag.Itemlist</h1>
@foreach (var item in Model)
{
<tr>
<td>
@Html.DisplayFor(modelItem => item.sid)
</td>
<td>
@Html.DisplayFor(modelItem => item.sname)
</td>
<td>
@Html.DisplayFor(modelItem => item.course)
</td>
</tr>
}
</table>


using MVCApp10.Models;
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
namespace MVCApp10.Controllers
{
public class StudentController : Controller
{
// GET: Student
public ActionResult Index()
{
ViewBag.Itemlist = "Student Details";
List<Student> studlist = new List<Student>()
{ new Student(){ sid=1,sname="Sulakshana",course="MCA"},
new Student(){ sid=2,sname="Mahesh",course="MCA"}
};
return View(studlist);
}
}
}



Cshtml razor view/ razor code/ razor file
Bind html code to razor view

@model -> model used for view is student

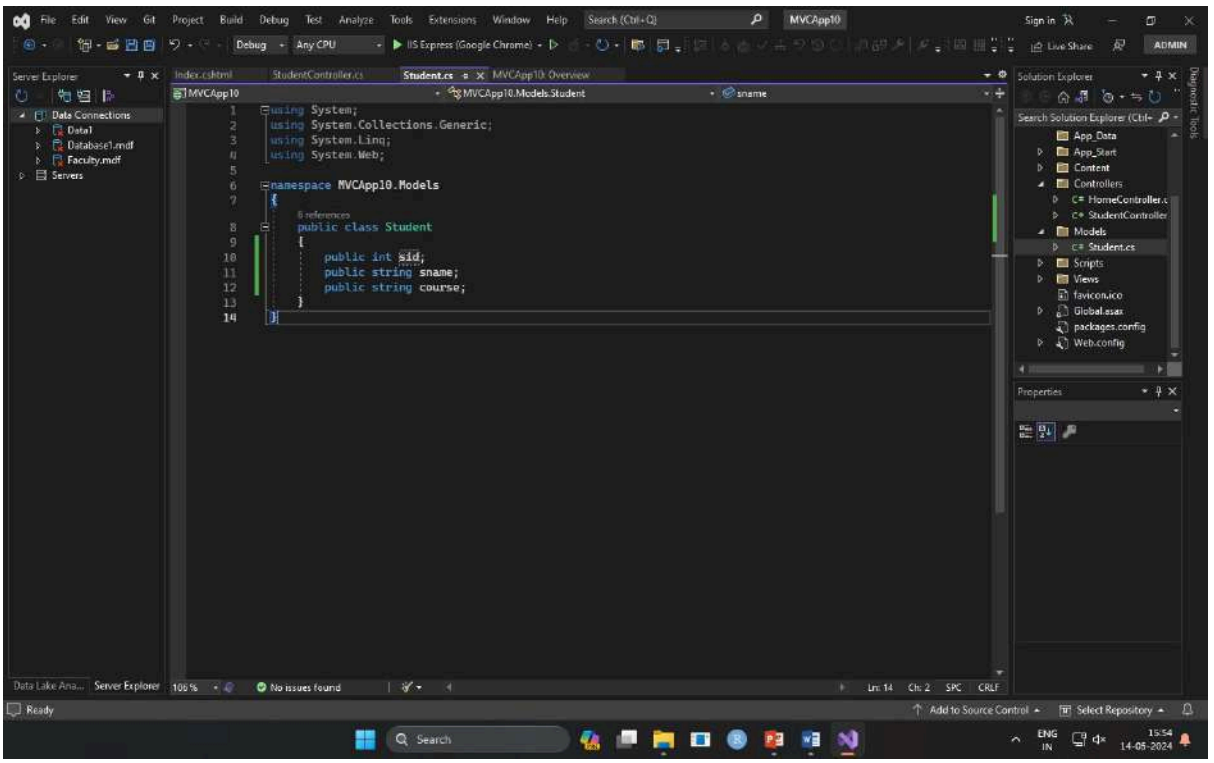


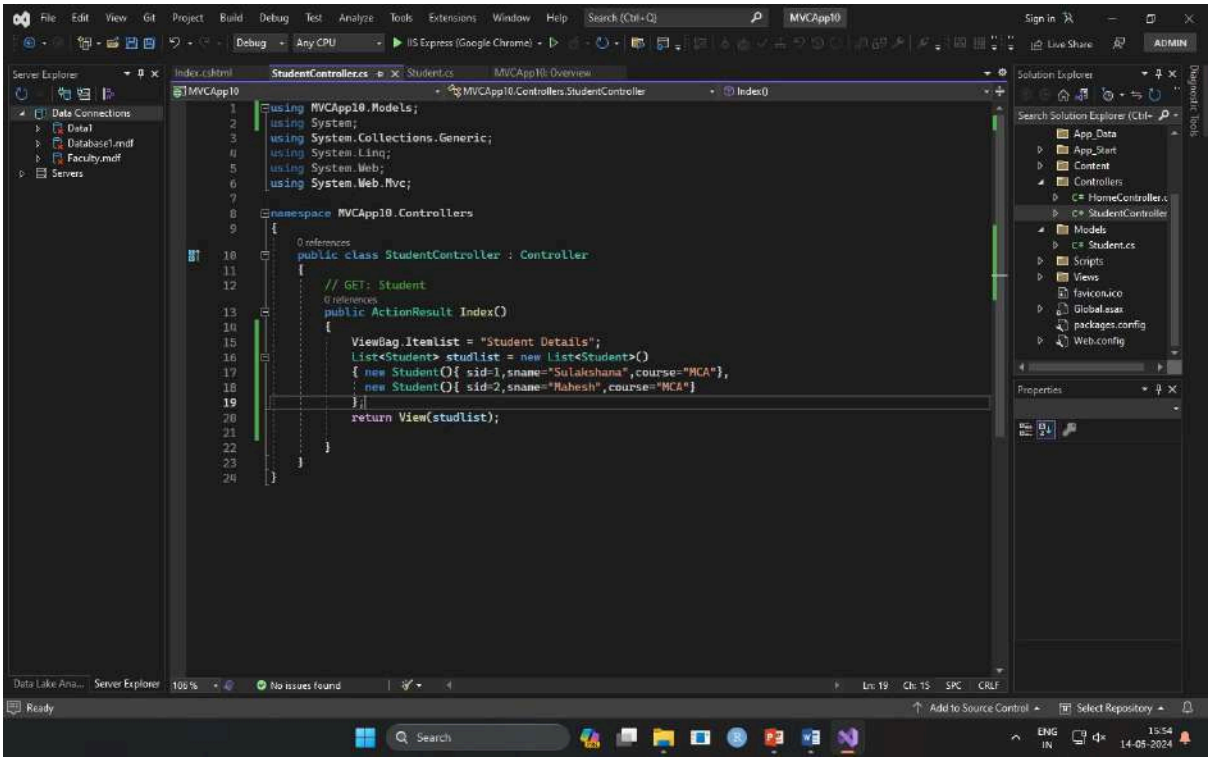
Refres attributes from student file i.e sid …sname…

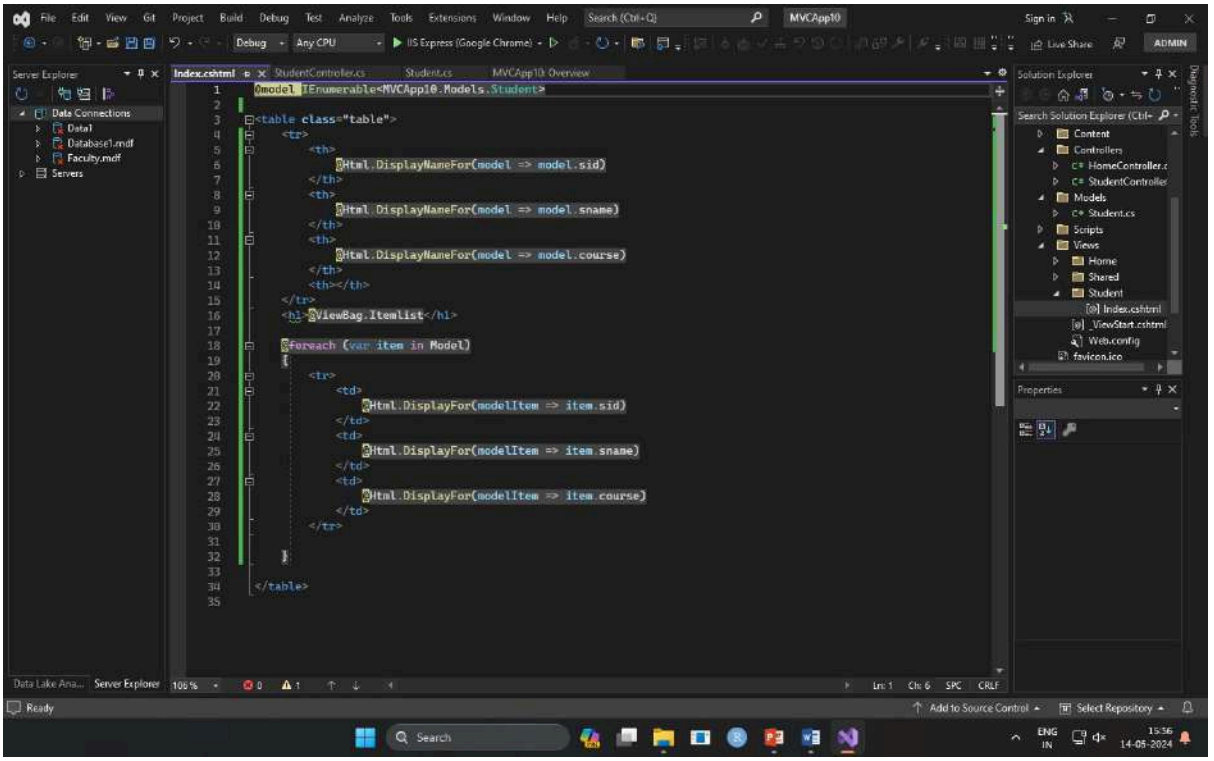
@htmldisplayNameFor-> value from model display with label

displayFor - > Display with value

—----------performed—----------


Student.cs
MVCApp10.Models.Student
sname
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
namespace MVCApp10.Models
{
0 references
public class Student
{
public int sid;
public string sname;
public string course;
}
}


StudentController.cs
MVCApp10.Controllers.StudentController
Index()
using MVCApp10.Models;
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
namespace MVCApp10.Controllers
{
0 references
public class StudentController : Controller
{
// GET: Student
0 references
public ActionResult Index()
{
ViewBag.Itemlist = "Student Details";
List<Student> studlist = new List<Student>()
{ new Student(){ sid=1,sname="Sulakshana",course="MCA"},
new Student(){ sid=2,sname="Mahesh",course="MCA"}
};
return View(studlist);
}
}
}



——————————————————————

Right click model folder -> add-> class

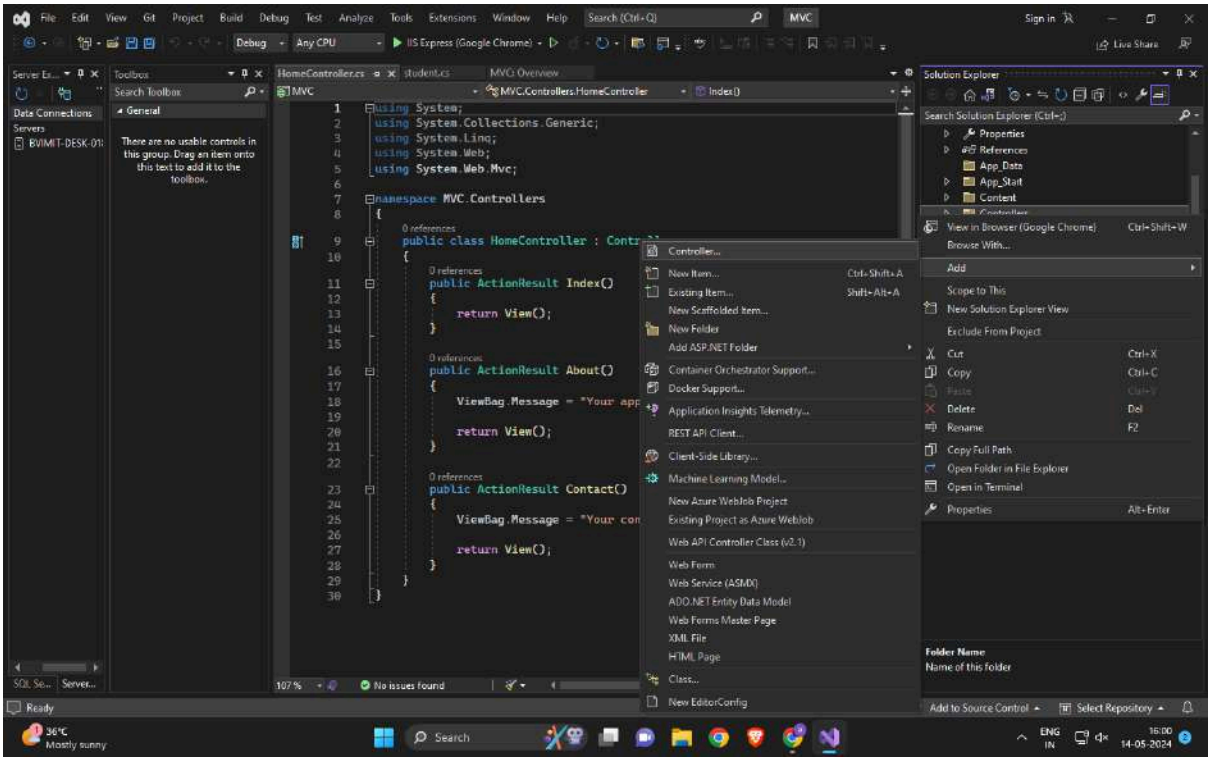
Write code->

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;

namespace MVC.Models
{
   public class student
   {
      public int sid;
      public string sname;
      public string course;


   }
}
```

Add controller by right click controller folder ->add controller -> select empty by default

Give name same as model i.e studentController

Write code->

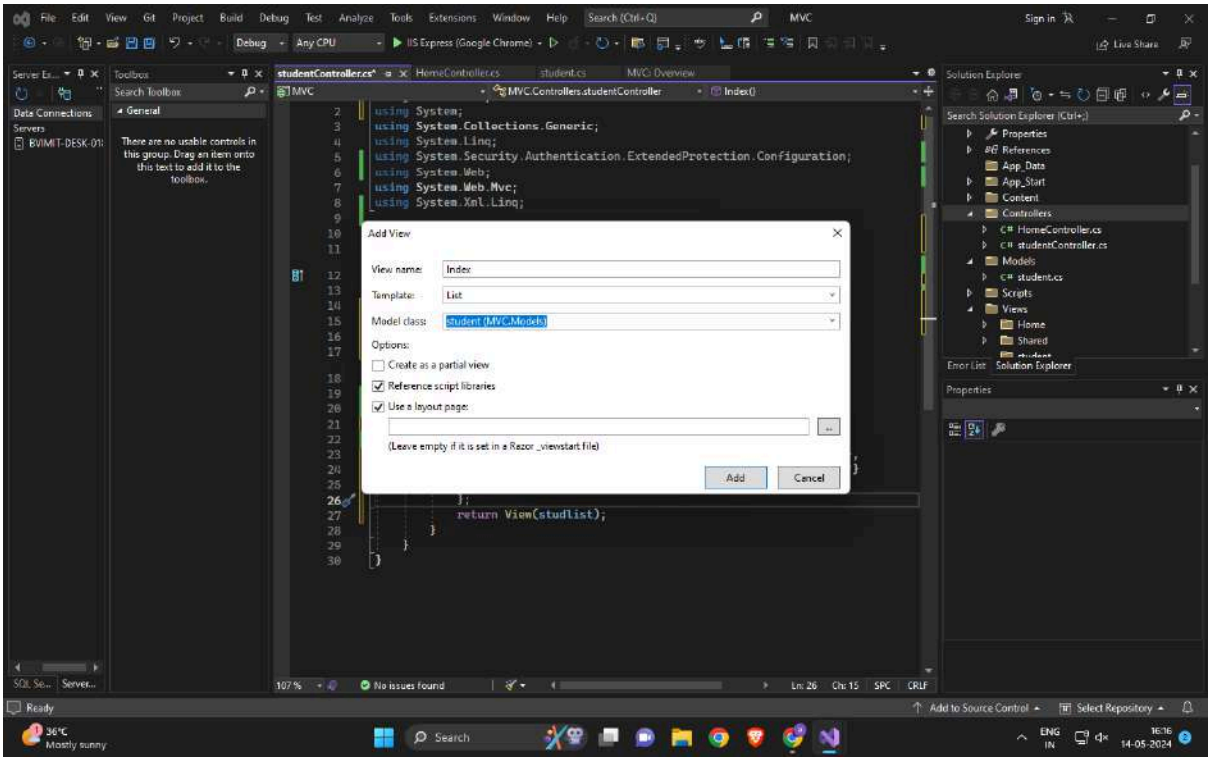


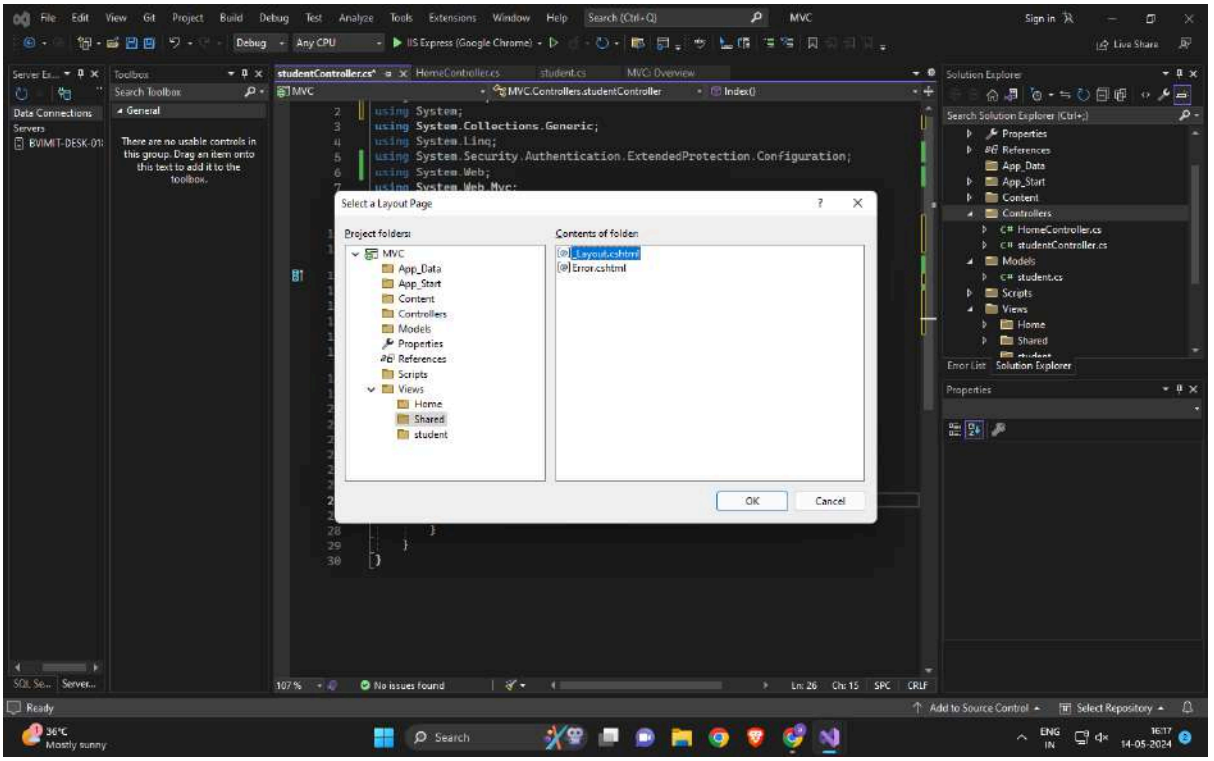
Code for controller file ->

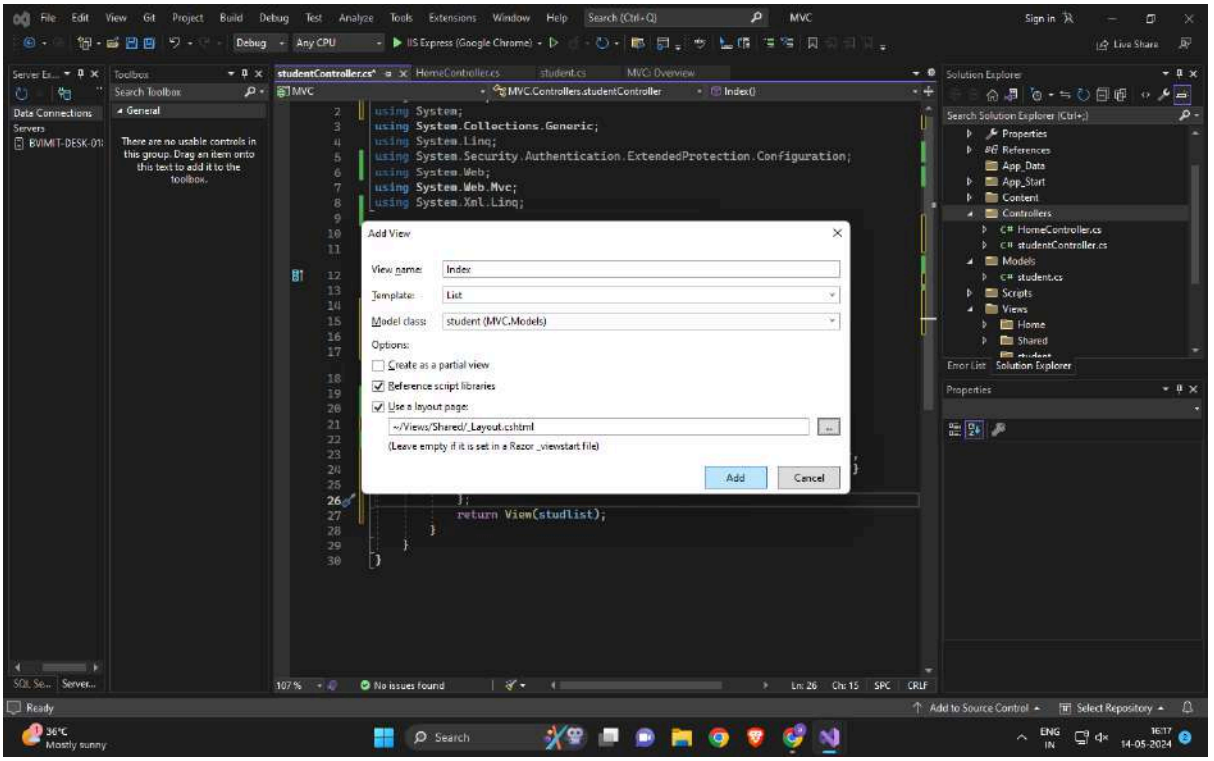
```
using MVC.Models;
using System;
using System.Collections.Generic;
using System.Linq;
using System.Security.Authentication.ExtendedProtection.Configuration;
using System.Web;
using System.Web.Mvc;
using System.Xml.Linq;

namespace MVC.Controllers
{
    public class studentController : Controller
    {
        // private string sname;
        // private string course;

        // GET: student
        public ActionResult Index()
        {
            ViewBag.Itemlist = "Student Details";
            List<student> studlist = new List<student>()
            {
                new student(){ sid = 1, sname="Pranjal", course="MCA"},
                new student(){ sid = 2, sname ="Harry", course = "MCA"}
```

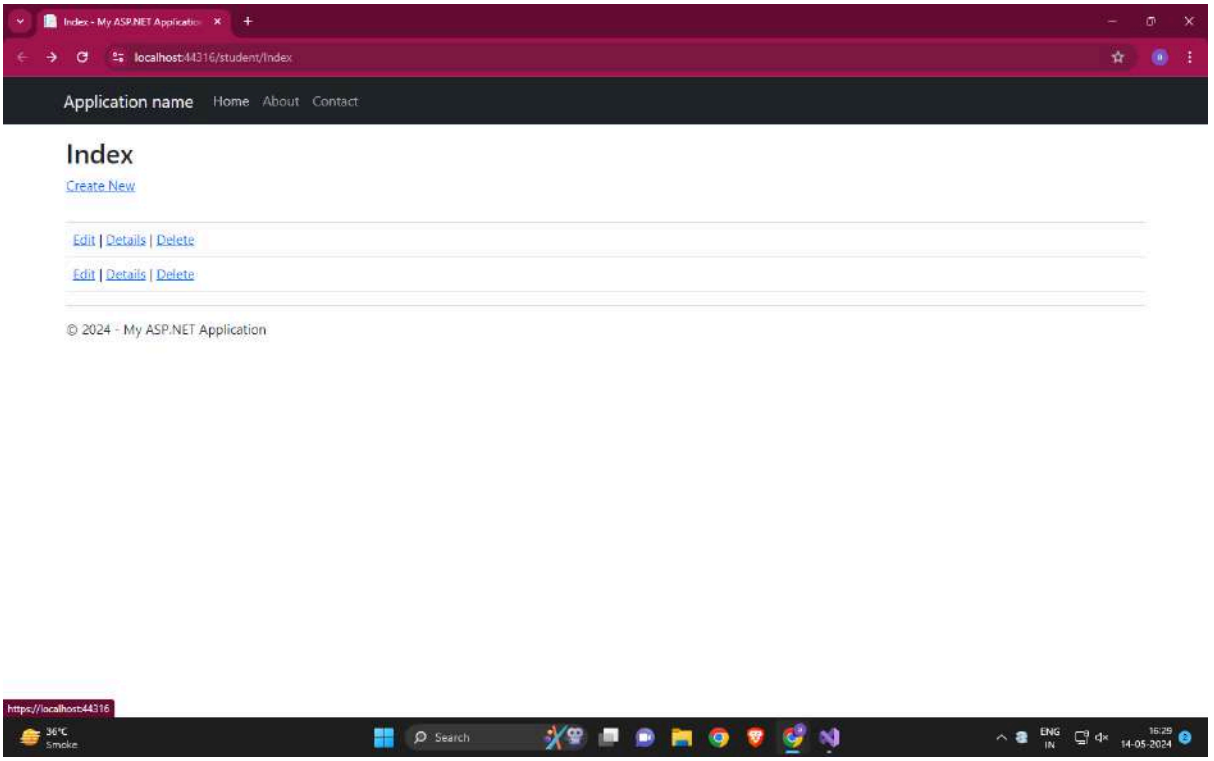
```
            };
            return View(studlist);
        }
    }
}
```

To create view right click inside body part and add view


Add View
View name:
Index
Template:
List
Model class:
student (MVC.Models)
Options:
Create as a partial view
Reference script libraries
Use a layout page:
(Leave empty if it is set in a Razor _viewstart file)
Add
Cancel
return View(studlist);


Select a Layout Page
Project folders:
Contents of folder:
MVC
App_Data
App_Start
Content
Controllers
Models
Properties
References
Scripts
Views
Home
Shared
student
_Layout.cshtml
Error.cshtml
OK
Cancel



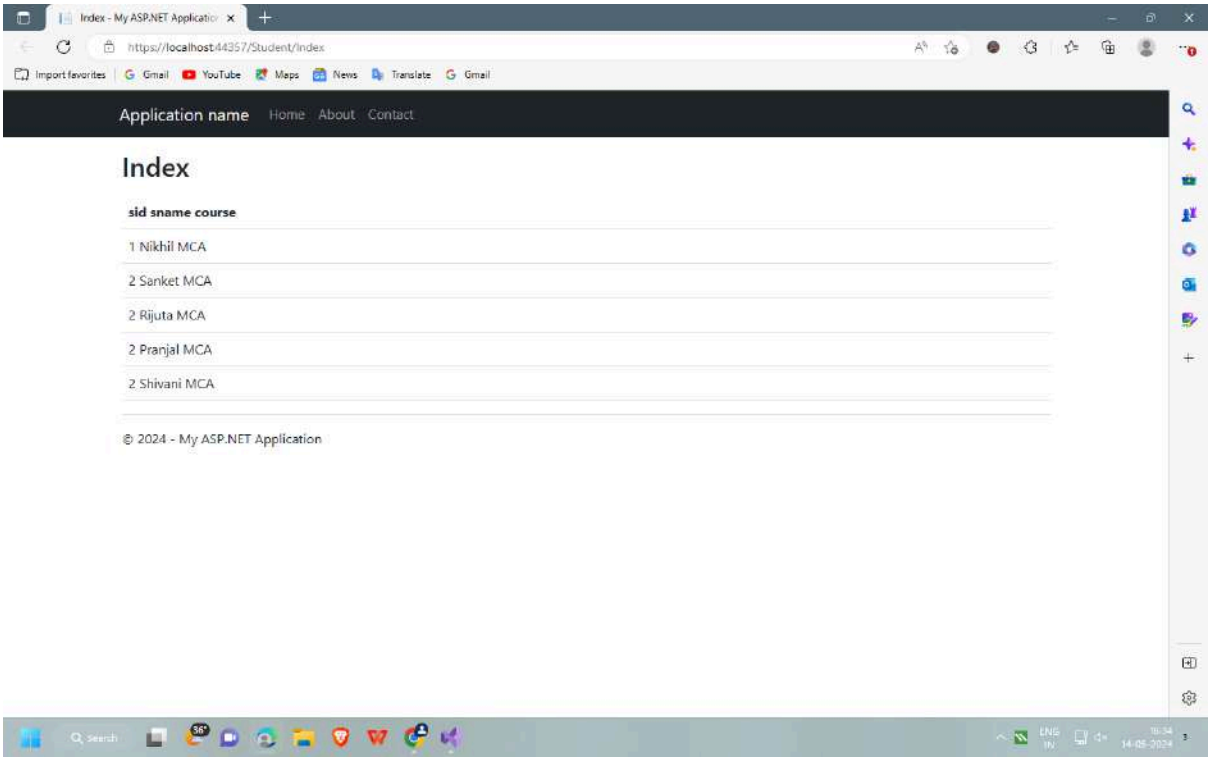


code->
/Student.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
```

```
namespace MVCProject.Models
{
    public class Student
    {
        public int sid;
        public String sname;
        public String course;

    }
}


//StudentController.cs

using MVCProject.Models;
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;

namespace MVCProject.Controllers
{
    public class StudentController : Controller
    {
        // GET: Student
        public ActionResult Index()
        {
            ViewBag.ItemList = "Student Details";
            List<Student> studlist = new List<Student>()
            {
                new Student(){ sid=1,sname="Nikhil",course="MCA"},
                new Student(){ sid=2,sname="Sanket",course="MCA"},
                  new Student(){ sid=2,sname="Rijuta",course="MCA"},
                    new Student(){ sid=2,sname="Pranjal",course="MCA"},
                    new Student(){ sid=2,sname="Shivani",course="MCA"}



            };

            return View(studlist);
        }
    }
}
```

```
//index.cshtml

@model IEnumerable<MVCProject.Models.Student>

@{
    ViewBag.Title = "Index";
    Layout = "~/Views/Shared/_Layout.cshtml";
}

<h2>Index</h2>

<p>

<table class="table">
    <tr>
        <th>
            @Html.DisplayNameFor(model => model.sid)
            @Html.DisplayNameFor(model => model.sname)
            @Html.DisplayNameFor(model => model.course)
        </th>
    </tr>

@foreach (var item in Model) {
    <tr>
        <td>
            @Html.DisplayFor(modelitem => item.sid)
            @Html.DisplayFor(modelitem => item.sname)
            @Html.DisplayFor(modelitem => item.course)



        </td>
    </tr>
}

</table>

output->
```


Index - My ASP.NET Application
https://localhost:44357/Student/Index
Import favorites
Gmail
YouTube
Maps
News
Translate
Gmail
Application name
Home
About
Contact
Index
sid sname course
1 Nikhil MCA
2 Sanket MCA
2 Rijuta MCA
2 Pranjal MCA
2 Shivani MCA
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