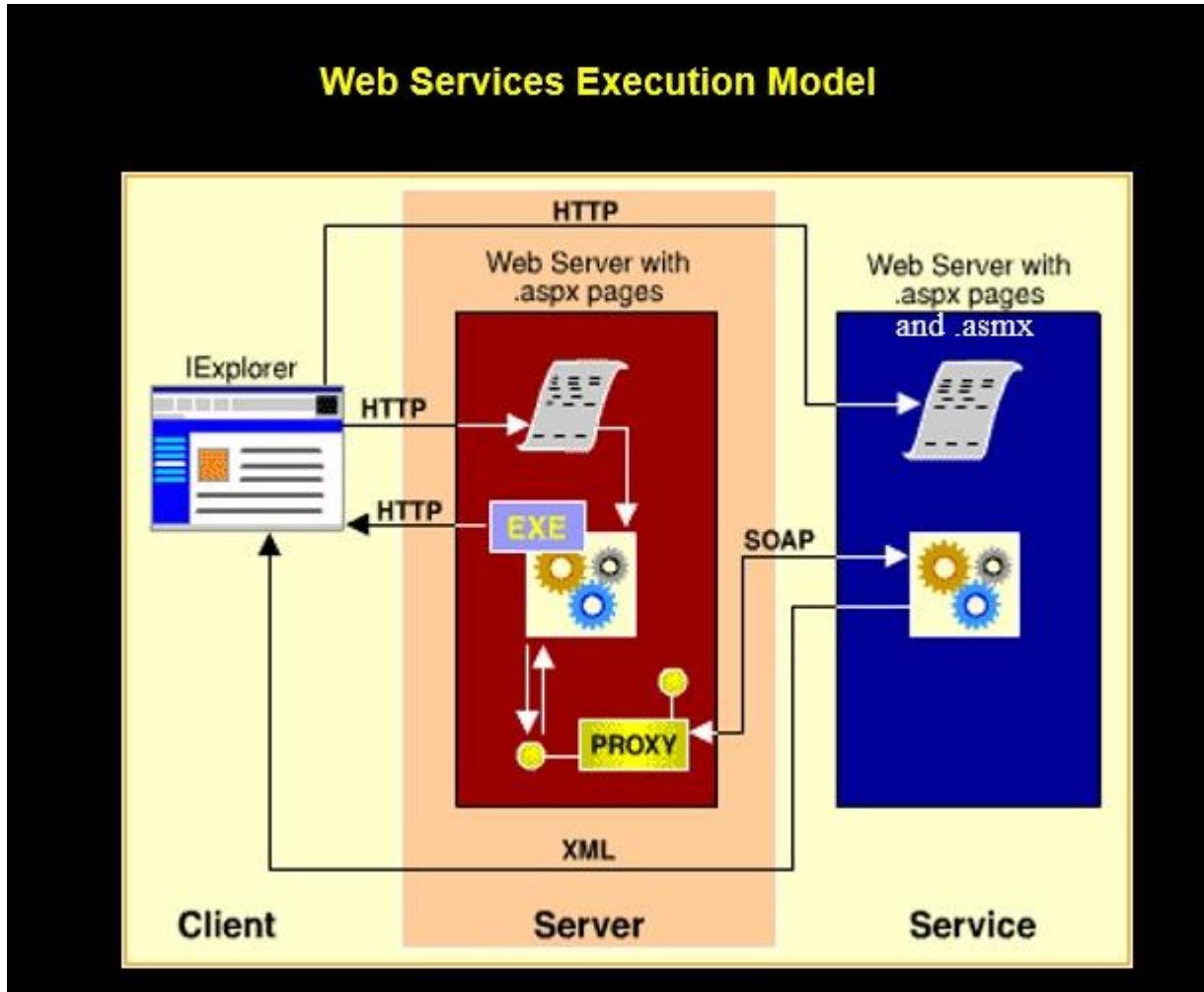
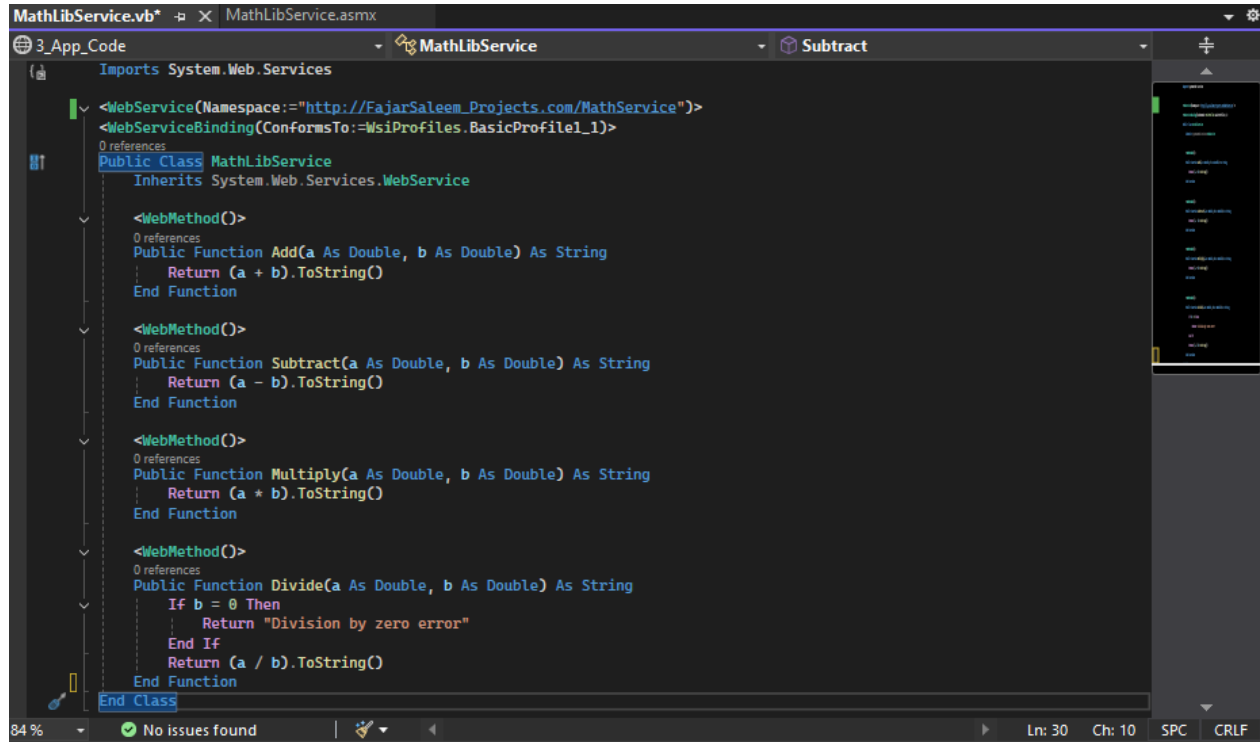


Question Number # 1



Question Number # 2



```
MathLibService.vb*  X MathLibService.asmx
3_App_Code
MathLibService
Subtract

Imports System.Web.Services

<WebService(Namespace:="http://FajarSaleem_Projects.com/MathService")>
<WebServiceBinding(ConformsTo:=WsiProfiles.BasicProfile1_1)>
0 references
Public Class MathLibService
    Inherits System.Web.Services.WebService

    <WebMethod()>
    0 references
    Public Function Add(a As Double, b As Double) As String
        Return (a + b).ToString()
    End Function

    <WebMethod()>
    0 references
    Public Function Subtract(a As Double, b As Double) As String
        Return (a - b).ToString()
    End Function

    <WebMethod()>
    0 references
    Public Function Multiply(a As Double, b As Double) As String
        Return (a * b).ToString()
    End Function

    <WebMethod()>
    0 references
    Public Function Divide(a As Double, b As Double) As String
        If b = 0 Then
            Return "Division by zero error"
        End If
        Return (a / b).ToString()
    End Function
End Class

84 %  No issues found  Ln: 30  Ch: 10  SPC  CRLF
```

Question Number # 4

The image shows a screenshot of the Visual Studio IDE with two windows open. The top window displays the source code of `ServiceClient.aspx.vb`, which is an ASP.NET page. The code includes a page directive, a DOCTYPE declaration, and a head section with a title "Math Service Client" and CSS styles. The body contains a form with two text boxes for numbers, four buttons for addition, subtraction, multiplication, and division, and a label for the result.

```
<?Page Language="VB" AutoEventWireup="false" CodeFile="ServiceClient.aspx.vb" Inherits="ServiceClient">
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>Math Service Client</title>
  <style>
    body { font-family: Arial; margin: 20px; }
    .container { width: 400px; margin: 0 auto; }
    .form-group { margin-bottom: 15px; }
    .result { margin-top: 20px; padding: 10px; background-color: #f0f0f0; }
  </style>
</head>
<body>
  <div class="container">
    <h1>Math Service Client</h1>
    <form id="form1" runat="server">
      <div class="form-group">
        <asp:Label ID="Label1" runat="server" Text="First Number:"></asp:Label>
        <asp:TextBox ID="txtNum1" runat="server" CssClass="form-control"></asp:TextBox>
      </div>
      <div class="form-group">
        <asp:Label ID="Label2" runat="server" Text="Second Number:"></asp:Label>
        <asp:TextBox ID="txtNum2" runat="server" CssClass="form-control"></asp:TextBox>
      </div>
      <div class="form-group">
        <asp:Button ID="btnAdd" runat="server" Text="Add" OnClick="btnAdd_Click" />
        <asp:Button ID="btnSubtract" runat="server" Text="Subtract" OnClick="btnSubtract_Click" />
        <asp:Button ID="btnMultiply" runat="server" Text="Multiply" OnClick="btnMultiply_Click" />
        <asp:Button ID="btnDivide" runat="server" Text="Divide" OnClick="btnDivide_Click" />
      </div>
      <div class="result">
        <asp:Label ID="lblResult" runat="server" Text="Result will appear here"></asp:Label>
      </div>
    </form>
  </div>
</body>
```

The bottom window shows the code-behind file `ServiceClient.aspx.vb` with the `ServiceClient` class. It inherits from `System.Web.UI.Page` and contains four protected subroutines: `btnAdd_Click`, `btnSubtract_Click`, `btnMultiply_Click`, and `btnDivide_Click`. Each subroutine calls the corresponding method on a `MathLibService.MathLibService` object to perform the calculation and update the `lblResult` label.

```
Partial Class ServiceClient
  Inherits System.Web.UI.Page

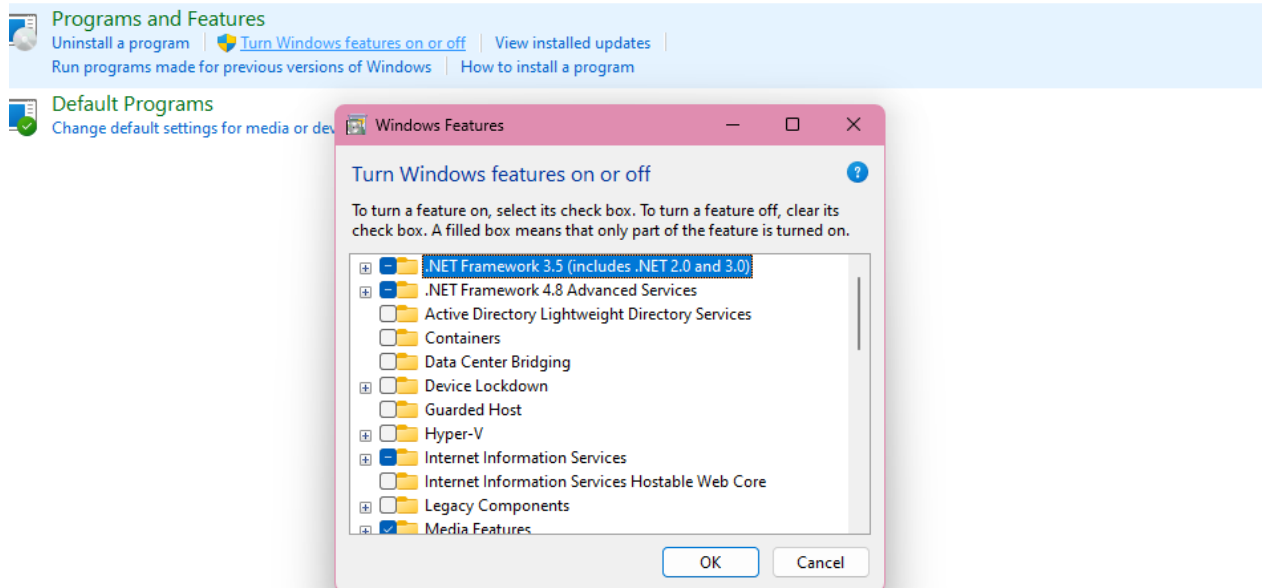
  0 references
  Protected Sub btnAdd_Click(sender As Object, e As EventArgs) Handles btnAdd.Click
    Dim service As New MathLibService.MathLibService()
    Dim num1 As Double = Double.Parse(txtNum1.Text)
    Dim num2 As Double = Double.Parse(txtNum2.Text)
    lblResult.Text = "Addition Result: " & service.Add(num1, num2)
  End Sub

  0 references
  Protected Sub btnSubtract_Click(sender As Object, e As EventArgs) Handles btnSubtract.Click
    Dim service As New MathLibService.MathLibService()
    Dim num1 As Double = Double.Parse(txtNum1.Text)
    Dim num2 As Double = Double.Parse(txtNum2.Text)
    lblResult.Text = "Subtraction Result: " & service.Subtract(num1, num2)
  End Sub

  0 references
  Protected Sub btnMultiply_Click(sender As Object, e As EventArgs) Handles btnMultiply.Click
    Dim service As New MathLibService.MathLibService()
    Dim num1 As Double = Double.Parse(txtNum1.Text)
    Dim num2 As Double = Double.Parse(txtNum2.Text)
    lblResult.Text = "Multiplication Result: " & service.Multiply(num1, num2)
  End Sub

  0 references
  Protected Sub btnDivide_Click(sender As Object, e As EventArgs) Handles btnDivide.Click
    Dim service As New MathLibService.MathLibService()
    Dim num1 As Double = Double.Parse(txtNum1.Text)
    Dim num2 As Double = Double.Parse(txtNum2.Text)
    lblResult.Text = "Division Result: " & service.Divide(num1, num2)
  End Sub
End Class
```

Errors: I am unable to set up the Internet Information Service so, I am not able to test the services in browser and due to this my Service Client folder is not link with the MathLibService.



localhost/Assignment-%20web%20service/MathLibService.aspx

HTTP Error 404.3 - Not Found

The page you are requesting cannot be served because of the extension configuration. If the page is a script, add a handler. If the file should be downloaded, add a MIME map.

Most likely causes:

- It is possible that a handler mapping is missing. By default, the static file handler processes all content.
- The feature you are trying to use may not be installed.
- The appropriate MIME map is not enabled for the Web site or application. (Warning: Do not create a MIME map for content that users should not download, such as .ASPX pages or .config files.)
- If ASP.NET is not installed.

Things you can try:

- In system.webServer/handlers:
 - Ensure that the expected handler for the current page is mapped.
 - Pay extra attention to preconditions (for example, runtimeVersion, pipelineMode, bitness) and compare them to the settings for your application pool.
 - Pay extra attention to typographical errors in the expected handler line.
- Please verify that the feature you are trying to use is installed.
- Verify that the MIME map is enabled or add the MIME map for the Web site using the command-line tool appcmd.exe.
 - To set a MIME type, use the following syntax: %SystemRoot%\windows\system32\inetsrv\appcmd set config /section:staticContent /+[fileExtension='string',mimeType='string']
 - The variable fileExtension string is the file name extension and the variable mimeType string is the file type description.
 - For example, to add a MIME map for a file which has the extension ".xyz": appcmd set config /section:staticContent /+[fileExtension='.xyz',mimeType='text/plain']

Warning: Ensure that this MIME mapping is needed for your Web server before adding it to the list. Configuration files such as .CONFIG or dynamic scripting pages such as .ASP or .ASPX, should not be downloaded directly and should always be processed through a handler. Other files such as database files or those used to store configuration, like .XML or .MDF, are sometimes used to store configuration information. Determine if clients can download these file types before enabling them.

- Install ASP.NET.
- Create a tracing rule to track failed requests for this HTTP status code. For more information about creating a tracing rule for failed requests, click [here](#).

Detailed Error Information:

Module	StaticFileModule	Requested URL	http://localhost:80/Assignment- web service/MathLibService.aspx
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