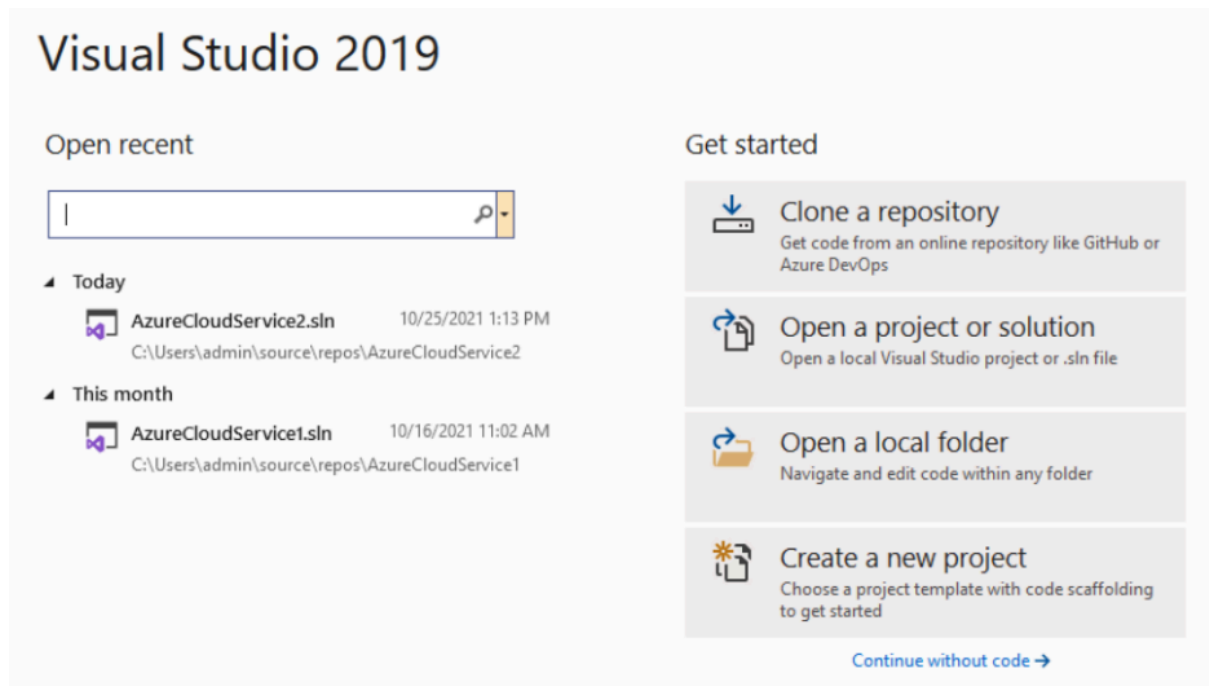


Practical No: 8.1

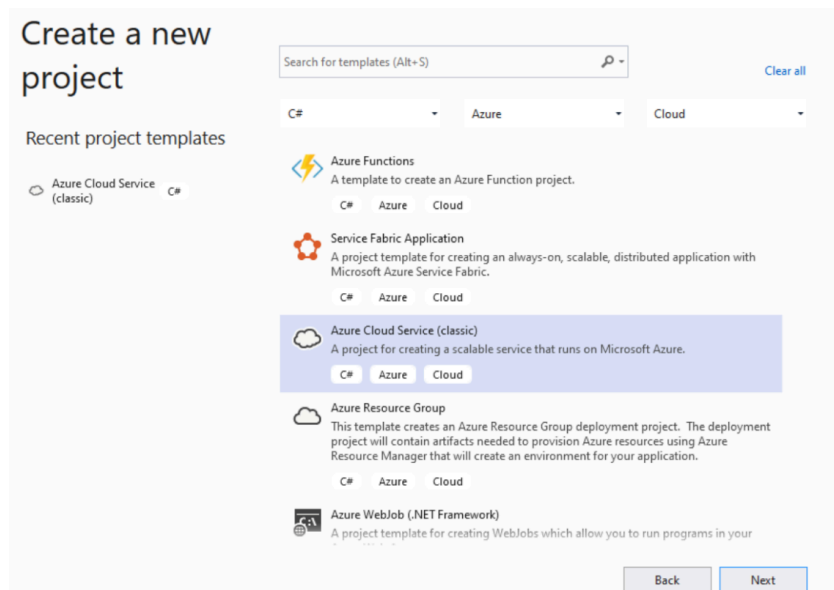
To develop Application for Windows Azure/Amazon AWS using Windows Azure Platform Training Kit and Visual Studio.

Step 1: - To develop an application for Windows Azure on Visual Studio 2019, install Visual Studio 2019.

Step 2: - Open Visual Studio 2019. Click on “Create New Project”.



Step 3: - After clicking on Create new project, a New Project Window will open



Step 4: - In above window, choose Language as C#, Platform as Azure, Project as Cloud. Then select Azure Cloud Service(classic) option. Click Next. Configure project window will appear.

Configure your new project

Azure Cloud Service (classic) C# Azure Cloud

Project name
AzureCloudService3

Location
C:\Users\admin\source\repos

Solution name ⓘ
AzureCloudService3

☐ Place solution and project in the same directory

Framework
.NET Framework 4.7.2

Back Create

Step 5: - Enter Project name(AzureCloudService3), then click on Create button. New Microsoft Azure Cloud Service(Classic) window will appear as below. Select Visual C# -> ASP.net Web Role.

New Microsoft Azure Cloud Service (classic)

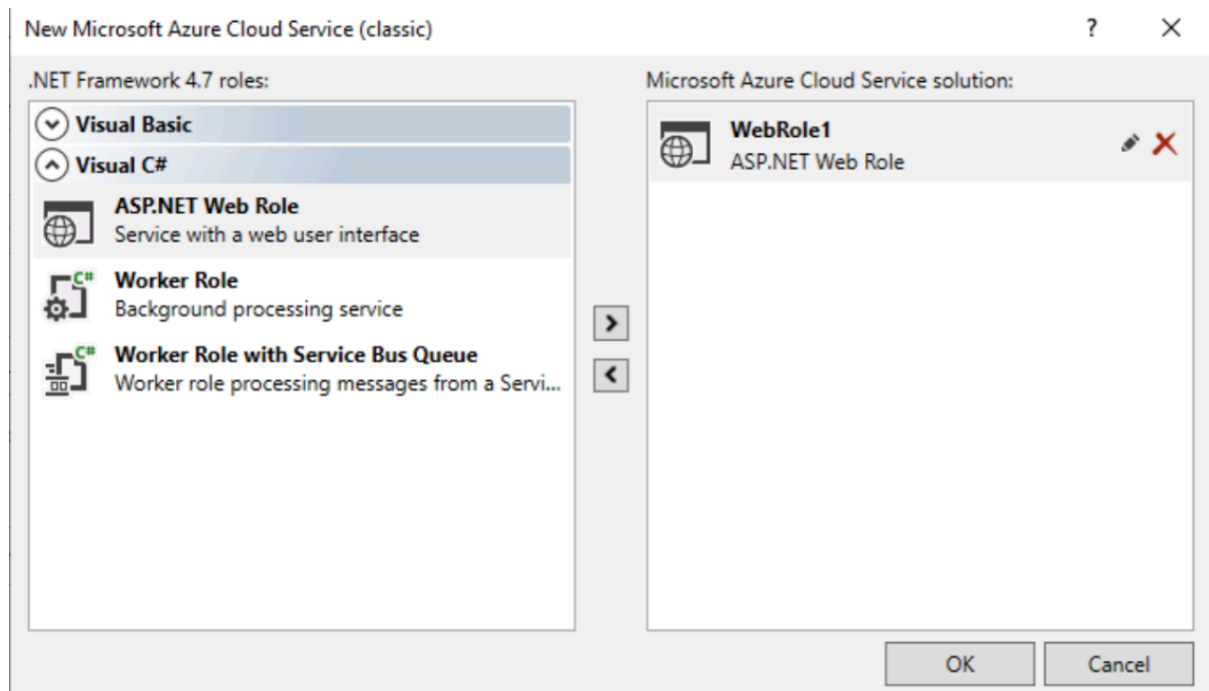
.NET Framework 4.7 roles:

- Visual Basic
- Visual C#
 - ASP.NET Web Role
Service with a web user interface
 - Worker Role
Background processing service
 - Worker Role with Service Bus Queue
Worker role processing messages from a Servi...

Microsoft Azure Cloud Service solution:

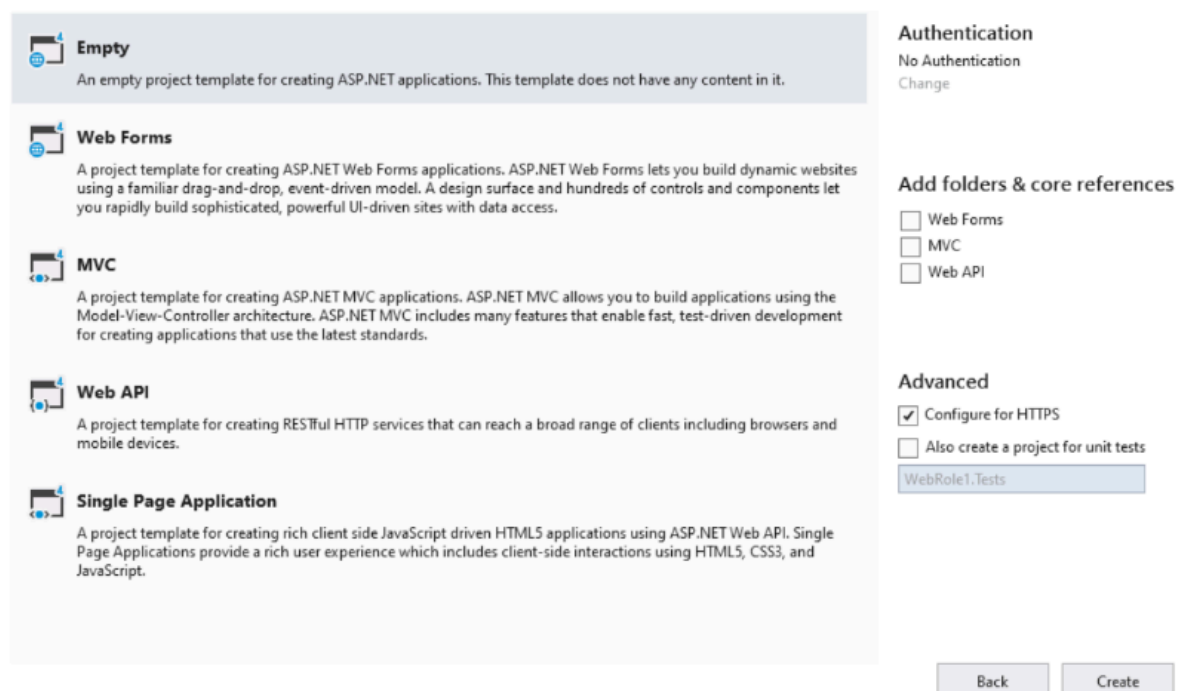
OK Cancel

Step 6: - Click on the “>” button to add a role to the solution. The window will appear.

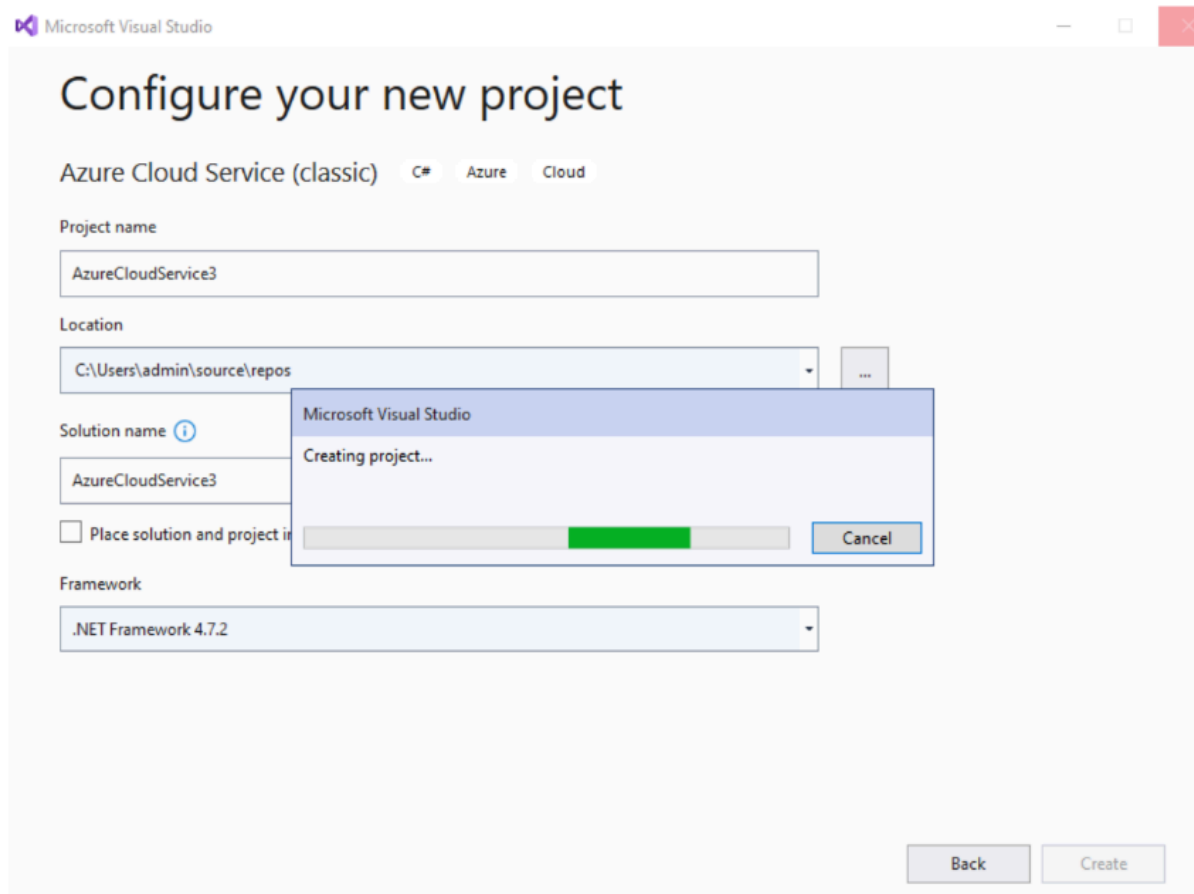


Step 7: - Click on the OK button. The window will appear.

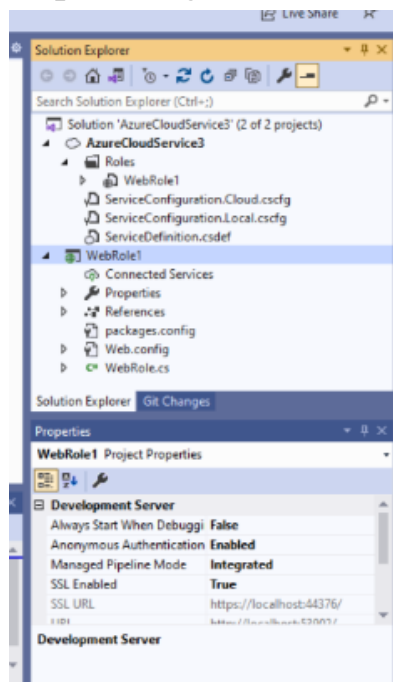
Create a new ASP.NET Web Application



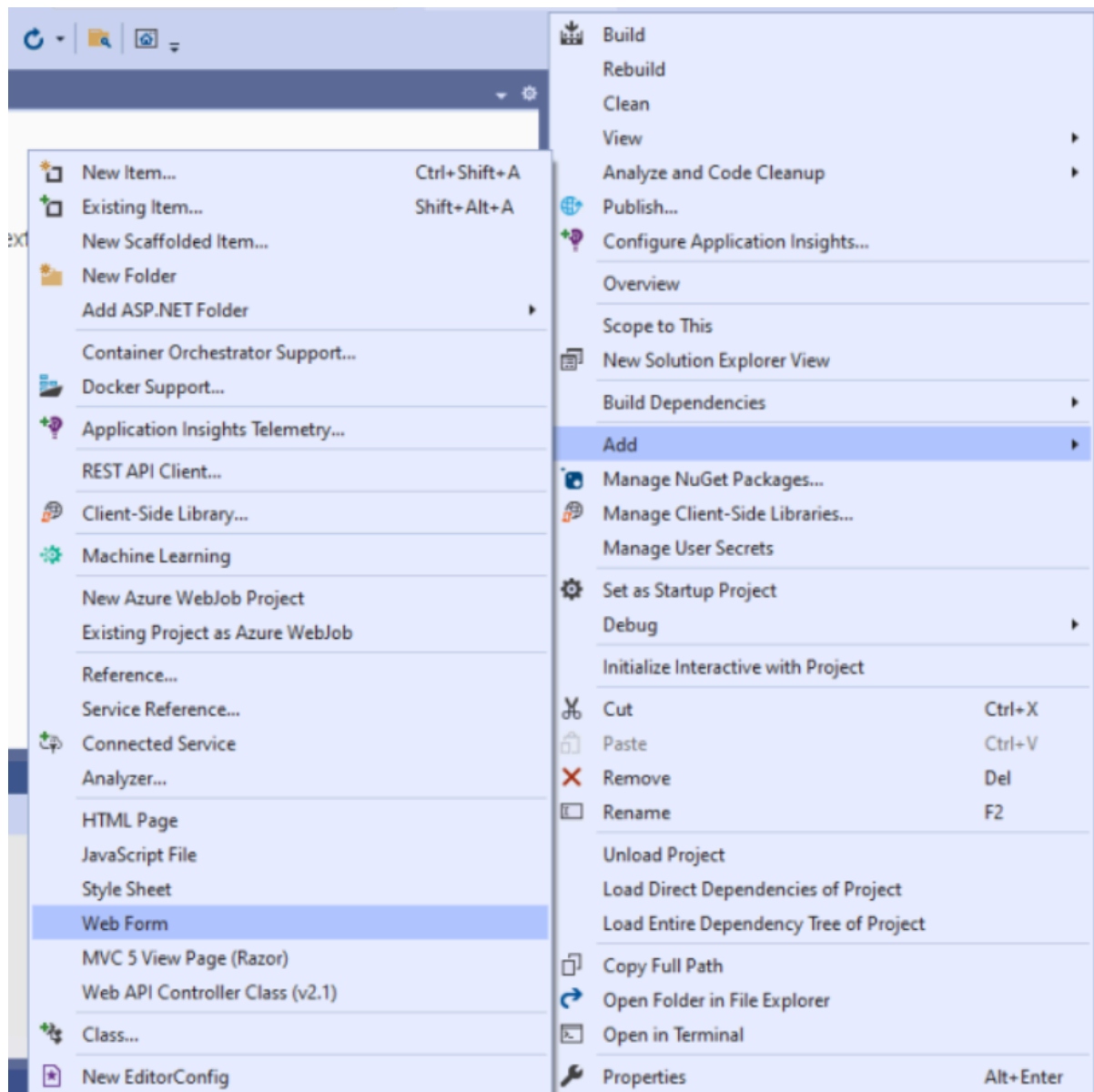
Step 8: - Select Empty Option for creating empty project template and then click on Create Button. The window will appear.



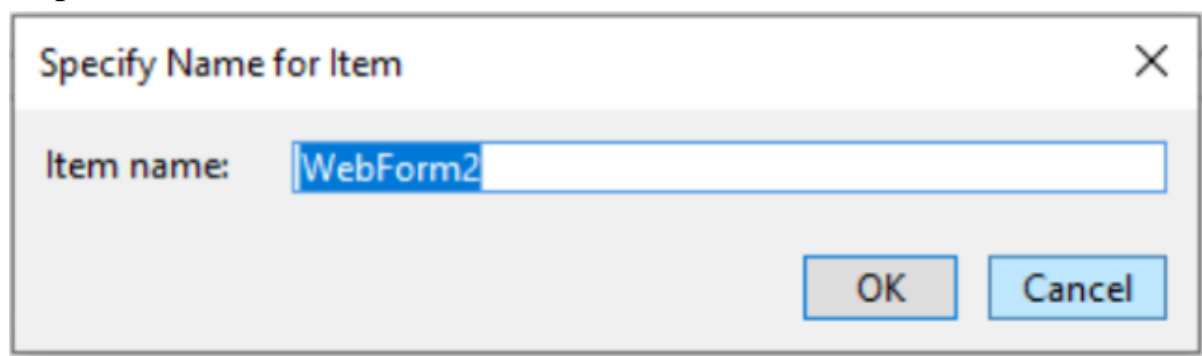
Step 9: - Right Click on WebRole1 in Solution Explorer Window.



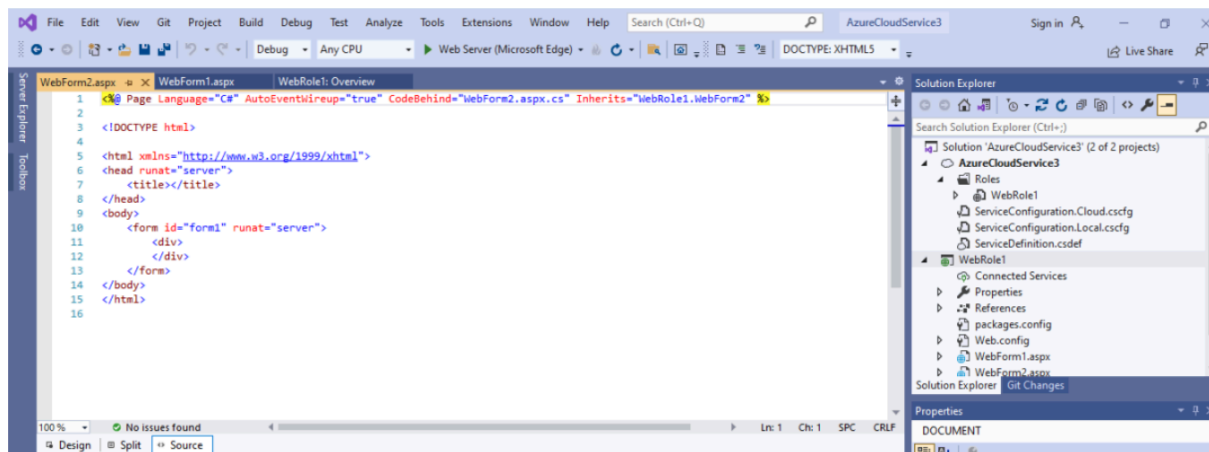
Step 10: - Then click on Add Button. Select Web Form



Step 11: - Give Name to Web Form



Step 12: - Click on OK Button. The window will appear.



Step 13: - Write the following code in .aspx and .aspx.cs and then click on Debug and Execute the project.

Form.aspx:

```

<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="Form.aspx.cs" Inherits="WebRole1.Form" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>Simple Form</title>
</head>
<body>
  <form id="form1" runat="server">
    <div>
      <h2>Enter Your Details</h2>
      <label for="txtFullName">Full Name:</label>
      <asp:TextBox ID="txtFullName" runat="server"></asp:TextBox><br
/><br />
      <label for="txtEmail">Email:</label>
      <asp:TextBox ID="txtEmail" runat="server"></asp:TextBox><br /><br
/>
      <label for="txtPhone">Phone Number:</label>
      <asp:TextBox ID="txtPhone" runat="server"></asp:TextBox><br /><br
/>
      <label for="calendarDOB">Date of Birth:</label>

```

```

        <asp:Calendar ID="calendarDOB" runat="server"></asp:Calendar><br
/><br />
        <label>Department:</label><br />
        <asp:RadioButton ID="rbMTECH" runat="server"
GroupName="Department" Text="MTECH" /><br />
        <asp:RadioButton ID="rbMCA" runat="server"
GroupName="Department" Text="MCA" /><br />
        <asp:RadioButton ID="rbBTECH" runat="server"
GroupName="Department" Text="BTECH" /><br /><br />
        <asp:Button ID="btnSubmit" runat="server" Text="Submit"
OnClick="btnSubmit_Click"/>
    </div>
</form>
</body>
</html>

```

Display.aspx.cs
Display.aspx
Form.aspx

Email:

Phone Number:

Date of Birth:

October 2024						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

Department:

☐ MTECH
☐ MCA
☐ BTECH

Submit

Form.aspx.cs:

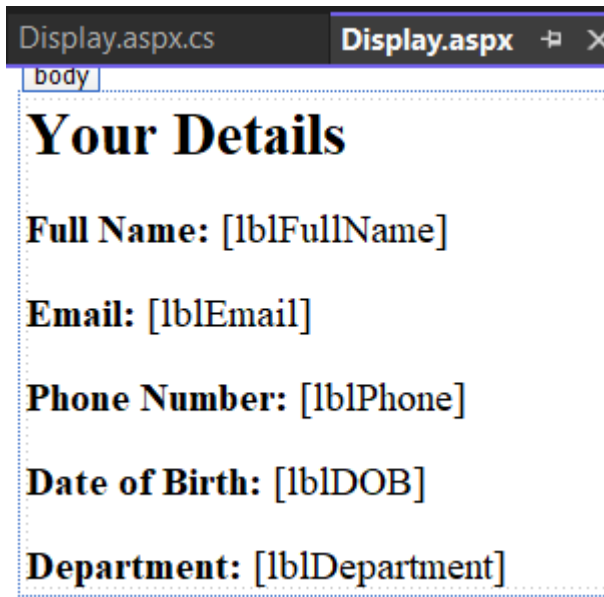
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace WebRole1
{
    public partial class Form : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
        }
        protected void btnSubmit_Click(object sender, EventArgs e)
        {
            // Retrieve values from controls
            string fullName = txtFullName.Text;
            string email = txtEmail.Text;
            string phone = txtPhone.Text;
            string dob = calendarDOB.SelectedDate != DateTime.MinValue ?
calendarDOB.SelectedDate.ToShortDateString() : "";
            string department = "";
            if (rbMTECH.Checked)
                department = "MTECH";
            else if (rbMCA.Checked)
                department = "MCA";
            else if (rbBTECH.Checked)
                department = "BTECH";
            // Redirect to Display.aspx with query string
            Response.Redirect("Display.aspx?FullName=" +
HttpUtility.UrlEncode(fullName) +
"&Email=" + HttpUtility.UrlEncode(email) +
"&Phone=" + HttpUtility.UrlEncode(phone) +
"&DOB=" + HttpUtility.UrlEncode(dob) +
"&Department=" + HttpUtility.UrlEncode(department));
        }
    }
}
```



```
}  
}
```

Display.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true"  
CodeBehind="Display.aspx.cs" Inherits="WebRole1.Display" %>  
<!DOCTYPE html>  
<html xmlns="http://www.w3.org/1999/xhtml">  
<head runat="server">  
    <title>Display Details</title>  
</head>  
<body>  
    <form id="form1" runat="server">  
        <div>  
            <h2>Your Details</h2>  
            <p><strong>Full Name:</strong> <asp:Label ID="lblFullName"  
runat="server"></asp:Label></p>  
            <p><strong>Email:</strong> <asp:Label ID="lblEmail"  
runat="server"></asp:Label></p>  
            <p><strong>Phone Number:</strong> <asp:Label ID="lblPhone"  
runat="server"></asp:Label></p>  
            <p><strong>Date of Birth:</strong> <asp:Label ID="lblDOB"  
runat="server"></asp:Label></p>  
            <p><strong>Department:</strong> <asp:Label ID="lblDepartment"  
runat="server"></asp:Label></p>  
        </div>  
    </form>  
</body>  
</html>
```



Display.aspx.cs:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace WebRole1
{
    public partial class Display : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                // Retrieve data from query string
                lblFullName.Text = Request.QueryString["FullName"] ?? "No Data";
                lblEmail.Text = Request.QueryString["Email"] ?? "No Data";
                lblPhone.Text = Request.QueryString["Phone"] ?? "No Data";
                lblDOB.Text = Request.QueryString["DOB"] ?? "No Data";
                lblDepartment.Text = Request.QueryString["Department"] ?? "No
Data";
            }
        }
    }
}
```

```
}  
}
```

Output: -

Enter Your Details

Full Name:

Email:

Phone Number:

Date of Birth:

≤ October 2023 ≥						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>
<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>
<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>
<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>
<u>29</u>	<u>30</u>	<u>31</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>

Department:

☐ MTECH

☒ MCA

☐ BTECH

Your Details

Full Name: Vinayak Rajendra Gupta

Email: vinayakbvimit@gmail.com

Phone Number: 7418529630

Date of Birth: 18-10-2023

Department: MCA