

Practical No.02

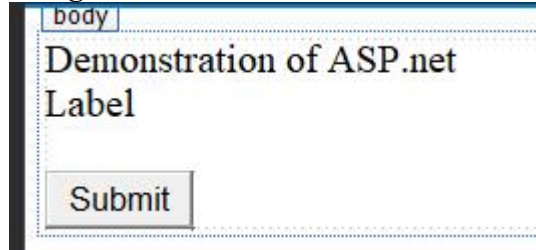
Introduction to ASP.NET

Aim:

To demonstrate the postback and crosspage posting, basic and advanced asp controls, Angular JS, JQuery, NodeJS and Master Page – Content page using ASP.Net web application.

Q1. Design asp.net web form to demonstrate various events in asp.net page life cycle.

Design:



Code:

WFPageLifeCycle.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WFPageLifeCycle.aspx.cs" Inherits="PracticalNo2All.WFPageLifeCycle" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Label ID="lblDemo" runat="server" Text="Demonstration of
ASP.net"></asp:Label>
            <br /><asp:Label ID="lblDemo2" runat="server" Text="Label"></asp:Label>
            <br />
            <br/><asp:Button ID="btnSubmit" runat="server" Text="Submit"
OnClick="btnSubmit_Click" />
        </div>
    </form>
</body>
</html>
```

WFPageLifeCycle.aspx.cs

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

namespace PracticalNo2All
{
    public partial class WFPageLifeCycle : System.Web.UI.Page
    {
        // Event Handling Methods
```

```

protected void Page_PreInit(object sender, EventArgs e)
{
    lblDemo2.Text = lblDemo2.Text + "<br/>" + "PreInit";
}

protected void Page_Init(object sender, EventArgs e)
{
    lblDemo2.Text = lblDemo2.Text + "<br/>" + "Init";
}

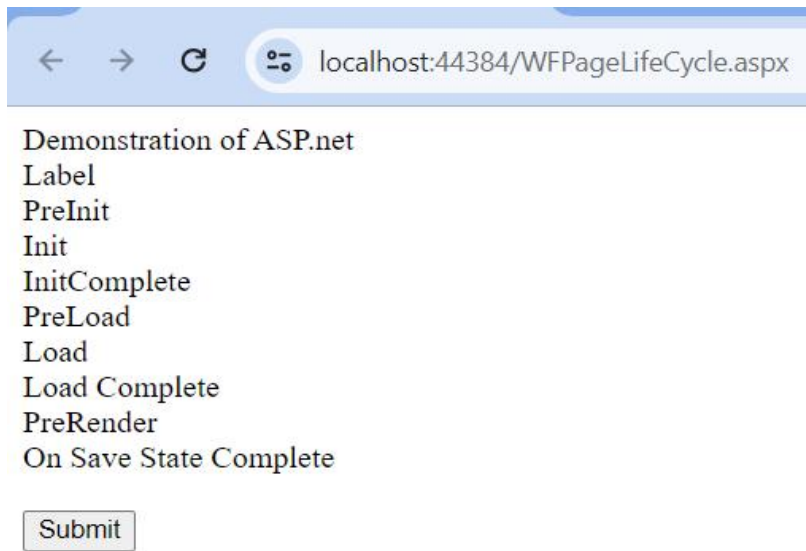
protected void Page_InitComplete(object sender, EventArgs e)
{
    lblDemo2.Text = lblDemo2.Text + "<br/>" + "InitComplete";
}
// Event
protected override void OnPreLoad(EventArgs e)
{
    lblDemo2.Text = lblDemo2.Text + "<br/>" + "PreLoad";
}
protected void Page_Load(object sender, EventArgs e)
{
    lblDemo2.Text = lblDemo2.Text + "<br/>" + "Load";
}
protected void Page_LoadComplete(object sender, EventArgs e)
{
    lblDemo2.Text = lblDemo2.Text + "<br/>" + "Load Complete";
}

protected override void OnPreRender(EventArgs e)
{
    lblDemo2.Text = lblDemo2.Text + "<br/>" + "PreRender";
}

protected override void OnSaveStateComplete(EventArgs e)
{
    lblDemo2.Text = lblDemo2.Text + "<br/>" + "On Save State Complete";
}
protected void Page_UnLoad(object sender, EventArgs e)
{
    lblDemo2.Text = lblDemo2.Text + "<br/>" + "UnLoad";
}
protected void btnSubmit_Click(object sender, EventArgs e)
{
    //lblDemo2.ForeColor = System.Drawing.Color.AliceBlue;
    lblDemo2.Text = lblDemo2.Text + "<br/>" + "btnSubmit_Click";
}
}
}

```

Output:



Q.2 Design asp.net web form to demonstrate postback posting, cross-page posting and auto postback.

Design:

Enter Your Name:

February		March			April	
Su	Mo	Tu	We	Th	Fr	Sa
25	26	27	28	29	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

Please Enter Name

Same Page Post Back

Cross Page Post Back

LabelCustomValidator

Code:

WFPostBack.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WFPostDemo.aspx.cs"
Inherits="PracticalNo2All.WFPostDemo" %>
```

```
<!DOCTYPE html>
```

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

```
<head runat="server">
```

```
<title></title>
```

```
</head>
```

```
<body>
```

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

```
<div>
```

```
<asp:Label ID="Label1" runat="server" Text="Enter Your Name: "></asp:Label>
```

```
<asp:TextBox ID="txtName" runat="server"></asp:TextBox>
```

```
<asp:Calendar ID="Calendar1" runat="server" BackColor="White"
```

```
BorderColor="Black" DayNameFormat="Shortest" Font-Names="Times New Roman" Font-
```

```
Size="10pt" ForeColor="Black" Height="220px" NextPrevFormat="FullMonth"
```

```
TitleFormat="Month" Width="352px">
```

```
<DayHeaderStyle BackColor="#CCCCCC" Font-Bold="True" Font-Size="7pt"
```

```
ForeColor="#333333" Height="10pt" />
```

```
<DayStyle Width="14%" />
```

```
<NextPrevStyle Font-Size="8pt" ForeColor="White" />
```

```
<OtherMonthDayStyle ForeColor="#999999" />
```

```
<SelectedDayStyle BackColor="#CC3333" ForeColor="White" />
```

```
<SelectorStyle BackColor="#CCCCCC" Font-Bold="True" Font-Names="Verdana"
```

```
Font-Size="8pt" ForeColor="#333333" Width="1%" />
```

```
<TitleStyle BackColor="Black" Font-Bold="True" Font-Size="13pt"
```

```
ForeColor="White" Height="14pt" />
```

```

        <TodayDayStyle BackColor="#CCCC99" />
    </asp:Calendar>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"
ControlToValidate="txtName" ErrorMessage="Please Enter
Name"></asp:RequiredFieldValidator>
    <br />
    <asp:Button ID="btnPostBack" runat="server" OnClick="btnPostBack_Click"
Text="Same Page Post Back" Width="250px" />
    <br />
    <asp:Button ID="btnCross" runat="server" OnClick="btnCross_Click"
PostBackUrl="~/WFPostiDemo2.aspx" Text="Cross Page Post Back" Width="250px" />
    <br />
    <asp:Label ID="lblData" runat="server" Text="Label"></asp:Label>
    <asp:CustomValidator ID="CustomValidator1" runat="server"
ControlToValidate="txtName" ErrorMessage="CustomValidator"></asp:CustomValidator>
    <br />
    <br />
</div>
</form>
</body>
</html>

```

WFPostBack.aspx.cs

```

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

namespace PracticalNo2All
{
    public partial class WFPageLifeCycle : System.Web.UI.Page
    {
        // Event Handling Methods
        protected void Page_PreInit(object sender, EventArgs e)
        {
            lblDemo2.Text = lblDemo2.Text + "<br/>" + "PreInit";
        }

        protected void Page_Init(object sender, EventArgs e)
        {
            lblDemo2.Text = lblDemo2.Text + "<br/>" + "Init";
        }

        protected void Page_InitComplete(object sender, EventArgs e)
        {
            lblDemo2.Text = lblDemo2.Text + "<br/>" + "InitComplete";
        }
        // Event
        protected override void OnPreLoad(EventArgs e)
        {
            lblDemo2.Text = lblDemo2.Text + "<br/>" + "PreLoad";
        }
        protected void Page_Load(object sender, EventArgs e)
        {
            lblDemo2.Text = lblDemo2.Text + "<br/>" + "Load";
        }
    }
}

```

```

    }
    protected void Page_LoadComplete(object sender, EventArgs e)
    {
        lblDemo2.Text = lblDemo2.Text + "<br/>" + "Load Complete";
    }

    protected override void OnPreRender(EventArgs e)
    {
        lblDemo2.Text = lblDemo2.Text + "<br/>" + "PreRender";
    }

    protected override void OnSaveStateComplete(EventArgs e)
    {
        lblDemo2.Text = lblDemo2.Text + "<br/>" + "On Save State Complete";
    }
    protected void Page_UnLoad(object sender, EventArgs e)
    {
        lblDemo2.Text = lblDemo2.Text + "<br/>" + "UnLoad";
    }
    protected void btnSubmit_Click(object sender, EventArgs e)
    {
        //lblDemo2.ForeColor = System.Drawing.Color.AliceBlue;
        lblDemo2.Text = lblDemo2.Text + "<br/>" + "btnSubmit_Click";
    }
}
}

```

Output:

Enter Your Name:

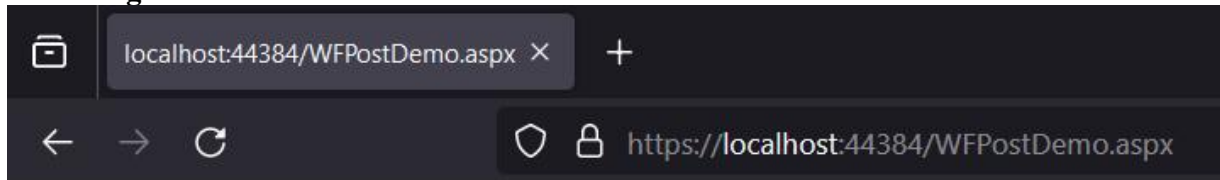
March		April				May
Su	Mo	Tu	We	Th	Fr	Sa
<u>31</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>
<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>
<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>
<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>
<u>28</u>	<u>29</u>	<u>30</u>	<u>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>

Same Page Post Back

Cross Page Post Back

Hi!!!

Same Page Post Back:



Enter Your Name:

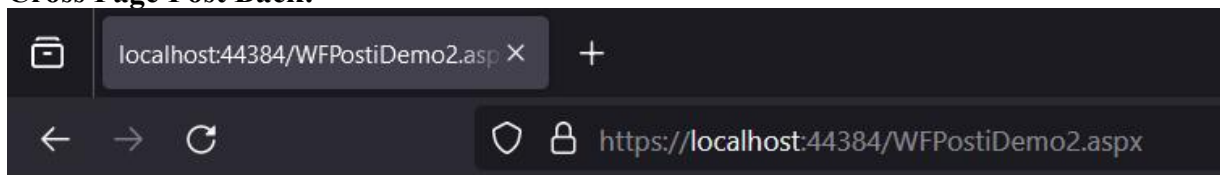
March		April				May
Su	Mo	Tu	We	Th	Fr	Sa
<u>31</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>
<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>
<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>
<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>
<u>28</u>	<u>29</u>	<u>30</u>	<u>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>

Same Page Post Back

Cross Page Post Back

Hi!!! Akshada, Here is Your Birth date , 01 / January /0001

Cross Page Post Back:

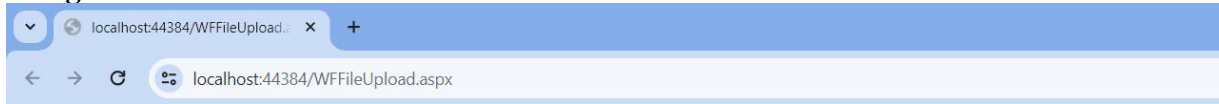


Cross Page Posting

Hi!!! Akshada, Here is Your Birth date , 01 / January /0001

Q.3. Design asp.net web form to demonstrate FileUpload and AdRotator controls.

Design:



File Upload

Ad Rotator Demo



Choose File No file chosen

Save

Code:

WFFileUpload.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WFFileUpload.aspx.cs"
Inherits="PracticalNo2All.WFFileUpload" %>
```

```
<!DOCTYPE html>
```

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

```
<head runat="server">
```

```
<title></title>
```

```
</head>
```

```
<body>
```

```
<h3>File Upload</h3>
```

```
<asp:Label ID="Label1" runat="server" Text="Ad Rotator Demo" Font-Bold="True"
ForeColor="Maroon"></asp:Label>
```

```
<br />
```

```
<br />
```

```
<asp:AdRotator ID="AdRotator1" runat="server"
AdvertisementFile="~/XMLFile1.xml" BackColor="#CCCCCC" BorderColor="Black"
BorderStyle="Solid" Height="200px" ImageUrlField="" Width="1000px" />
```

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

```
<div>
```

```
<br />
```

```
<asp:FileUpload ID="FileUpload1" runat="server" Height="25px" />
```

```
<br />
```

```
<br />
```

```
<asp:Button ID="btnSubmit" runat="server" OnClick="btnSubmit_Click"
Text="Save" />
```

```
<br />
```

```
<br />
```

```
<asp:Label ID="lblMessage" runat="server"></asp:Label>
```

```
</div>
```

```
</form>
```

```
</body>
```

```
</html>
```


WFFileUpload.aspx.cs

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

namespace PracticalNo2All
{
    public partial class WFFileUpload : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void btnSubmit_Click(object sender, EventArgs e)
        {
            StringBuilder sb = new StringBuilder();
            if (FileUpload1.HasFile)
            {
                try
                {
                    sb.AppendFormat(" Uploading File: {0} ", FileUpload1.FileName);
                    // Saving String
                    string filename = Path.GetFileName(FileUpload1.FileName);
                    FileUpload1.SaveAs(Server.MapPath("~/") + filename);
                    //Showing File Information
                    sb.AppendFormat("<br/> Save As: {0} ", FileUpload1.PostedFile.FileName);
                    sb.AppendFormat("<br/> Content Type: {0} ",
FileUpload1.PostedFile.ContentType);
                    sb.AppendFormat("<br/> File Length: {0} ",
FileUpload1.PostedFile.ContentLength);
                }
                catch (Exception ex)
                {
                    sb.Append("<br/> Error: <br/>");
                    sb.AppendFormat("Unable to Save File: {0} ", ex.Message);
                }
                lblMessage.Text = sb.ToString();
            }
            else
            {
                lblMessage.Text = "Sorry You Haven't Select any File";
            }
        }
    }
}
```

Output:

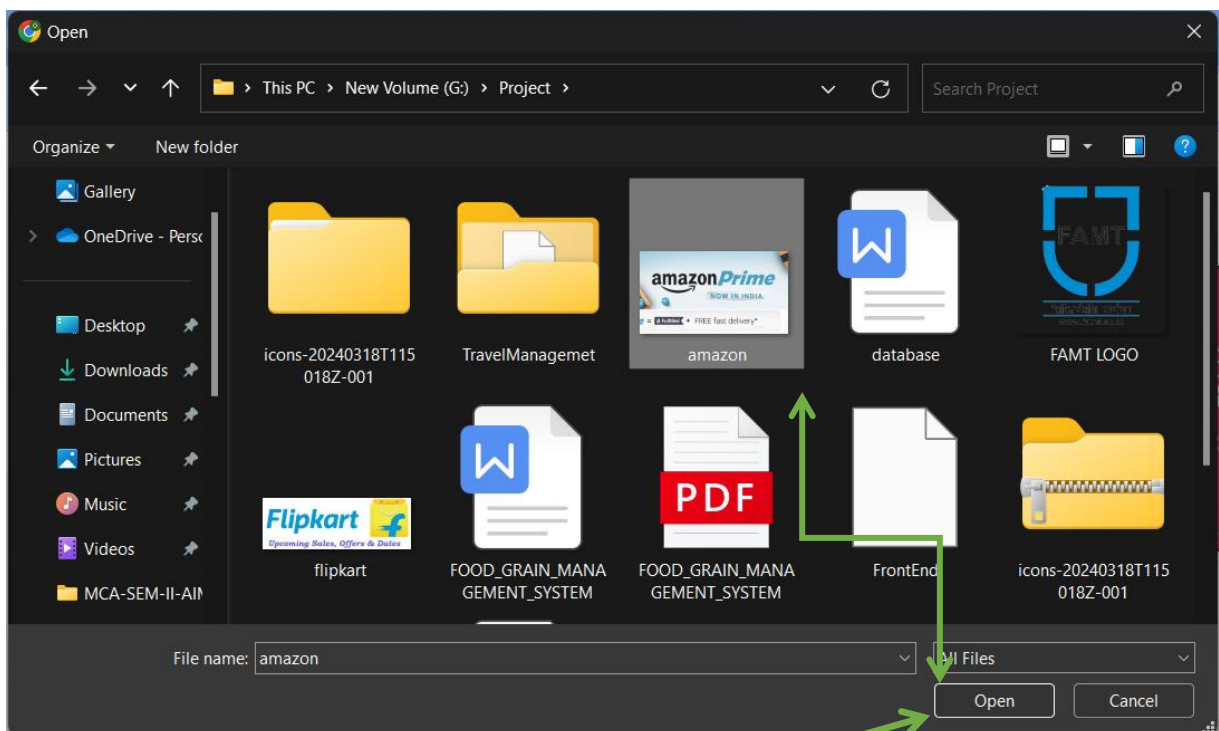


File Upload

Ad Rotator Demo



After Clicking > Choose File



After Clicking > Save



File Upload

Ad Rotator Demo



Choose File No file chosen

Save

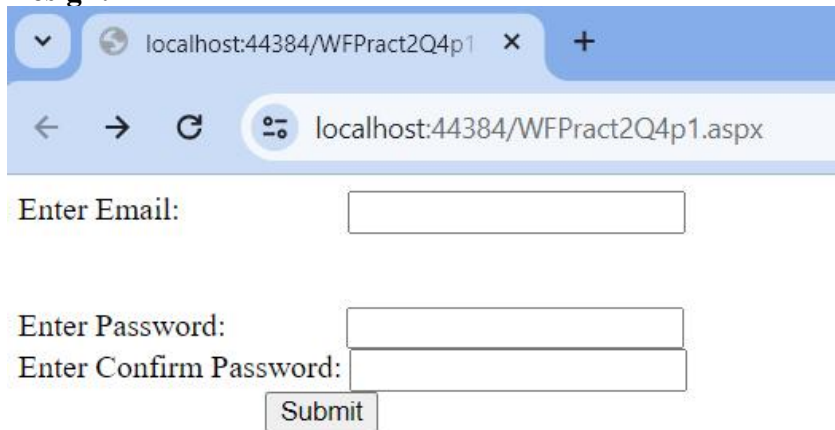
Uploading File: amazon.jpg
Save As: amazon.jpg
Content Type: image/jpeg
File Length: 39755

XMLFile1.xml

```
<?xml version="1.0" encoding="utf-8" ?>
<Advertisements>
  <Ad>
    <ImageUrl>Images/amazon.jpg</ImageUrl>
    <NavigateUrl>https://www.amazon.in/</NavigateUrl>
    <AlternateText>
      Amazon India Online Shopping
    </AlternateText>
    <Impressions>5</Impressions>
    <Keyword>shopping</Keyword>
  </Ad>
  <Ad>
    <ImageUrl>Images/flipkart.jpg</ImageUrl>
    <NavigateUrl>https://www.flipkart.com/</NavigateUrl>
    <AlternateText>
      FlipKart India Online Shopping
    </AlternateText>
    <Impressions>5</Impressions>
    <Keyword>shopping</Keyword>
  </Ad>
  <Ad>
    <ImageUrl>Images/snapdeal.jpg</ImageUrl>
    <NavigateUrl>https://www.snapdeal.co.in/</NavigateUrl>
    <AlternateText>
      SnapDeal India Online Shopping
    </AlternateText>
    <Impressions>5</Impressions>
    <Keyword>shopping</Keyword>
  </Ad>
</Advertisements>
```

Q.4. Design asp.net web form to demonstrate Validation controls in asp.net. After successful submission of data, show same data on another page.

Design:



The screenshot shows a web browser window with the address bar displaying 'localhost:44384/WFPract2Q4p1.aspx'. The page content includes three text input fields: 'Enter Email:', 'Enter Password:', and 'Enter Confirm Password:'. Below these fields is a 'Submit' button.

Code:

WFPract2Q1.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WFPract2Q4p1.aspx.cs"
Inherits="PracticalNo2All.WFPract2Q4p1" %>
```

```
<!DOCTYPE html>
```

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

```
<head runat="server">
```

```
<title></title>
```

```
</head>
```

```
<body>
```

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

```
<div>
```

```
<asp:Label ID="Label1" runat="server" Text="Enter Email: "></asp:Label>
```

```
<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
```

```
<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"
ControlToValidate="TextBox1" Display="Dynamic" ErrorMessage="Please Enter Proper
Email"></asp:RequiredFieldValidator>
```

```
<br />
```

```
<asp:CompareValidator ID="CompareValidator1" runat="server"
```

```
ControlToCompare="TextBox2" ControlToValidate="TextBox3" Display="Dynamic"
ErrorMessage="Passwords Are Not Same"></asp:CompareValidator>
```

```
<br />
```

```
<asp:RegularExpressionValidator ID="RegularExpressionValidator1" runat="server"
```

```
ControlToValidate="TextBox1" Display="Dynamic" ErrorMessage="Enter Valid Email "
ValidationExpression="\w+([-+.']\w+)*@\w+([-+.'\w+)*\.\w+([-+.']\w+)*"></asp:RegularExpressionValidator>
```

```
<br />
```

```
Enter Password:
```

```
<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
```

```
<asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"
ControlToValidate="TextBox2" Display="Dynamic" ErrorMessage="Please Enter
Passwoer"></asp:RequiredFieldValidator>
```

```
<br />
```

```
Enter Confirm Password:
```

```
<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>
```

```

        <asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server"
ControlToValidate="TextBox3" ErrorMessage="Confirm Password
Enter"></asp:RequiredFieldValidator>
        <br />
        <asp:Button ID="btnSubmit" runat="server" OnClick="btnSubmit_Click"
PostBackUrl="~/WFPract2Q4P2.aspx" Text="Submit" />
    </div>
</form>
</body>
</html>

```

WFPract2Q2.aspx

```

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WFPract2Q4P2.aspx.cs"
Inherits="PracticalNo2All.WFPract2Q4P2" %>

```

```

<!DOCTYPE html>

```

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <div><b>
                <asp:Label ID="Label1" runat="server" Font-Names="Times New Roman" Font-
Size="Large" ForeColor="#993300" Text="Cross Page Posting"></asp:Label>
                <br />
                <asp:Label ID="lblEmail" runat="server" Text="lblEmail"></asp:Label>
            </b></div>
        </div>
    </form>
</body>
</html>

```

WFPract2Q2.aspx.cs

```

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

```

```

namespace PracticalNo2All

```

```

{
    public partial class WFPract2Q4P2 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (Page.PreviousPage != null && PreviousPage.IsCrossPagePostBack)
            {
                // creating control
                TextBox txtEmail = new TextBox();
                txtEmail = (TextBox)(PreviousPage.FindControl("TextBox1"));
                lblEmail.Text = "Hi!!! " + txtEmail.Text + " ";
            }
        }
    }
}

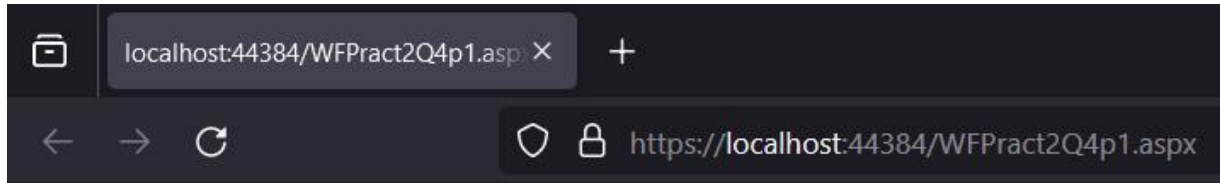
```

```

else
{
    lblEmail.Text = "Hello Sir";
}
}
}
}

```

Output:



Enter Email:

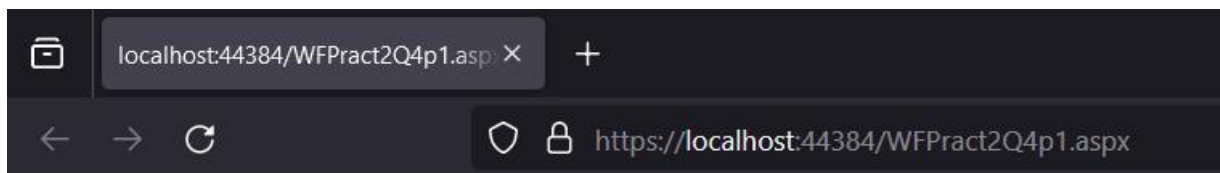
Enter Valid Email

Enter Password:

Enter Confirm Password:

Please Enter Password

Confirm Password Enter



Enter Email:

Passwords Are Not Same

Enter Valid Email

Enter Password:

Enter Confirm Password:

Note: Add this line to the Web.Config File inside the Configuration Tag :

```

<appSettings>
    <add key="ValidationSettings:UnobtrusiveValidationMode" value="None"/>
</appSettings>

```

Q.5 Design asp.net web application to demonstrate Master Page and Content Pages in asp.net.

Code:

SiteMaster.Master

```
<%@ Master Language="C#" AutoEventWireup="true" CodeBehind="SiteMaster.master.cs" Inherits="DemoMaster.SiteMaster" %>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head runat="server">
```

```
<title>Hello World</title>
```

```
<asp:ContentPlaceHolder ID="head" runat="server">
```

```
</asp:ContentPlaceHolder>
```

```
</head>
```

```
<body>
```

```
<h2>Hello I am Master Page</h2>
```

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

```
<div>
```

```
<asp:ContentPlaceHolder ID="ContentPlaceHolder1" runat="server">
```

```
</asp:ContentPlaceHolder>
```

```
</div>
```

```
</form>
```

```
</body>
```

```
</html>
```

WebForm1.aspx

```
<%@ Page Title="Hello Content" Language="C#" MasterPageFile="~/SiteMaster.Master"
```

```
AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
```

```
Inherits="DemoMaster.WebForm1" %>
```

```
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
```

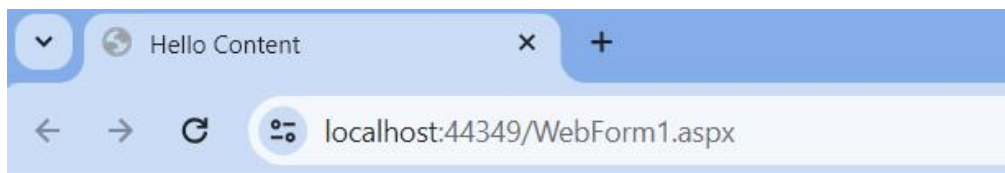
```
</asp:Content>
```

```
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">
```

```
<h3>Hello Content Page</h3>
```

```
</asp:Content>
```

Output:



Hello I am Master Page

Hello Content Page

Q.6 Design asp.net web form to demonstrate JQuery (use CDN JQuery library).

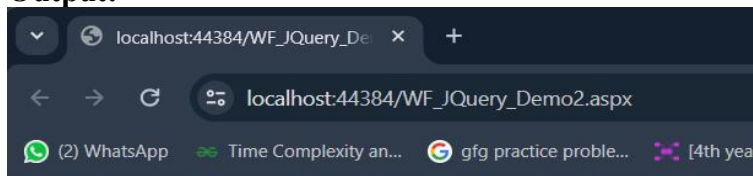
Code:

WF_JQuery_Demo2.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WF_JQuery_Demo2.aspx.cs"
Inherits="PracticalNo2All.WF_JQuery_Demo2" %>

<!DOCTYPE html>
// cdn is used here
<script type="text/javascript"
src="//ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
<script type="text/javascript">
    $(document).ready(function () {
        $("#btnSubmit").click(function () {
            alert("Alert Using JQuery");
        });
    });
</script>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <div>
                <br />
                <br />
                <br />
                <asp:Button ID="btnSubmit" runat="server" OnClick="Button1_Click"
Text="Submit" />
            </div>
        </div>
    </form>
</body>
</html>
```

Output:



Q.7 Design asp.net web form to demonstrate JQuery (download and use local JQuery library).

Code:

WFJQueryDemo1.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WFJQueryDemo1.aspx.cs" Inherits="PracticalNo2All.WFJQueryDemo1" %>
```

```
<!DOCTYPE html>
```

```
<script type="text/javascript" src ="/Scripts/jquery-3.7.1.min.js"></script>
```

```
<script type="text/javascript">
```

```
$(document).ready(function () {
    $("#btnSubmit").click(function () {
        alert("Alert Using JQuery");
    });
});
```

```
</script>
```

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

```
<head runat="server">
```

```
<title></title>
```

```
</head>
```

```
<body>
```

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

```
<div>
```

```
<br />
```

```
<br />
```

```
<br />
```

```
<asp:Button ID="btnSubmit" runat="server" OnClick="Button1_Click"
```

```
Text="Submit" />
```

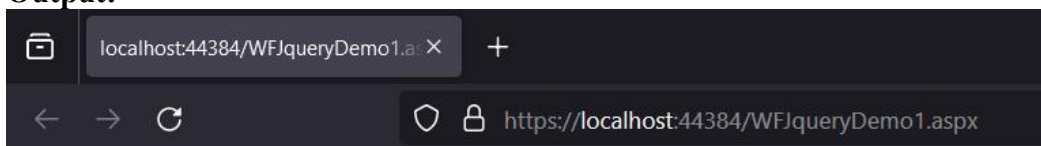
```
</div>
```

```
</form>
```

```
</body>
```

```
</html>
```

Output:



Q.8 Design asp.net web form to demonstrate AngularJS (use CDN).

Code:

WFAngularJs.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WFAngularJS.aspx.cs" Inherits="PracticalNo2All.WFAngularJS" %>
```

```
<!DOCTYPE html>
```

```
<!-- <script src="/Scripts/angular.min.js"></script> -->
```

```
<script src="//ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
```

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

```
<head runat="server">
```

```
<title></title>
```

```
</head>
```

```
<body>
```

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

```
<div ng-app="">
```

```
<h1>
```

```
Name :&nbsp;
```

```
<asp:TextBox ID="TextBox1" runat="server" ng-model="name"></asp:TextBox>
```

```
<br />
```

```
Hello {{name}}
```

```
</h1>
```

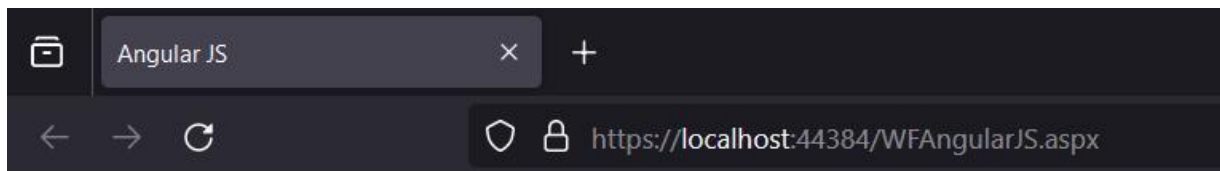
```
</div>
```

```
</form>
```

```
</body>
```

```
</html>
```

Output:



Name :

Hello Akshada Patil

Enter Data Here

Q.9 Design asp.net web form to demonstrate AngularJS (download and use local library).

Code:

WFAngulaJs.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WFAngularJS.aspx.cs" Inherits="PracticalNo2All.WFAngularJS" %>
```

```
<!DOCTYPE html>
```

```
<script src="/Scripts/angular.min.js"></script>
```

```
<!-- <script src="//ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script> -->
```

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

```
<head runat="server">
```

```
<title>Angular JS</title>
```

```
</head>
```

```
<body>
```

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

```
<div ng-app="">
```

```
<h1>
```

```
Name :&nbsp;
```

```
<asp:TextBox ID="TextBox1" runat="server" ng-model="name"></asp:TextBox>
```

```
<br />
```

```
Hello {{name}}
```

```
</h1>
```

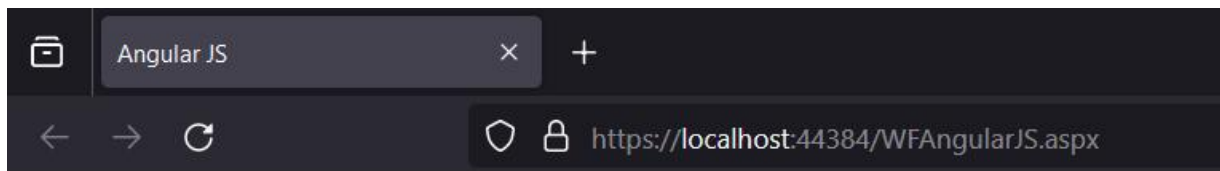
```
</div>
```

```
</form>
```

```
</body>
```

```
</html>
```

Output:



Name :

Hello Akshada Patil

Q.10 Design asp.net web form to demonstrate NodeJS.

Code:

Index.js

```
'use strict';
var express = require('express');
var router = express.Router();

var getData = function () {
  var data = {
    'item1': 'https://images.unsplash.com/photo-1563422156298-c778a278f9a5',
    'item2': 'https://images.unsplash.com/photo-1620173834206-c029bf322dba',
    'item3': 'https://images.unsplash.com/photo-1602491673980-73aa38de027a'
  }
  return data;
}

/* GET home page. */
router.get('/', function (req, res) {
  res.render('index', { title: 'Express', "data": getData() });
});

module.exports = router;
```

Index.pug

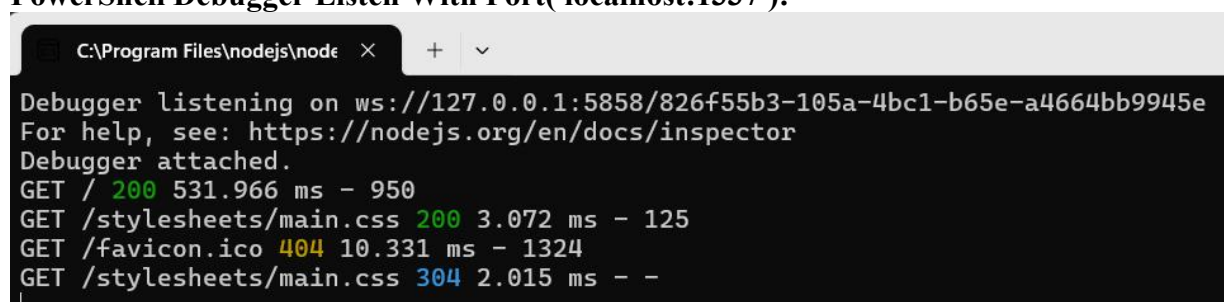
extends layout

block content

```
h1= title
p Welcome to #{title}
script.
  var f1 = function() { document.getElementById('myImage').src='#{data.item1}' }
script.
  var f2 = function() { document.getElementById('myImage').src='#{data.item2}' }
script.
  var f3 = function() { document.getElementById('myImage').src='#{data.item3}' }

button(onclick='f1()') One!
button(onclick='f2()') Two!
button(onclick='f3()') Three!
p
a: img(id='myImage' height='300vh' width='300vw'
src='https://media.istockphoto.com/id/513247652/photo/panoramic-beautiful-view-of-mount-ama-
dablam.jpg?s=612x612&w=is&k=20&c=4wdOVJPPp3ocnDM9Bu8EoCz9CPZyJVIRMiQ6z
CM6P8=')
```

PowerShell Debugger Listen With Port(localhost:1337):



```
C:\Program Files\nodejs\node <
Debugger listening on ws://127.0.0.1:5858/826f55b3-105a-4bc1-b65e-a4664bb9945e
For help, see: https://nodejs.org/en/docs/inspector
Debugger attached.
GET / 200 531.966 ms - 950
GET /stylesheets/main.css 200 3.072 ms - 125
GET /favicon.ico 404 10.331 ms - 1324
GET /stylesheets/main.css 304 2.015 ms - -
```

Output:

