

Write a Program to demonstrate ASP.NET server controls

Default.aspx

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
    <style type="text/css">
        .style1
        {
            width: 304px;
        }
    </style>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <table style="width:100%;">

                <tr>
                    <td class="style1">
                        <asp:Label ID="Label1" runat="server" Text="Enter name:"></asp:Label>
                    </td>
                    <td>
                        <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
                    </td>
                </tr>
                <tr>
                    <td class="style1">
                        <asp:Label ID="Label2" runat="server" Text="Select Gender:"></asp:Label>
                    </td>
                    <td>
                        <asp:RadioButton ID="RadioButton1" runat="server" GroupName="rb" Text="Male" />
                        &nbsp;<asp:RadioButton ID="RadioButton2" runat="server" GroupName="rb" Text="Female" />
                    </td>
                </tr>
                <tr>
                    <td class="style1">
                        <asp:Label ID="Label3" runat="server" Text="Select DOB:"></asp:Label>
                    </td>
                    <td>
                        <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
                        &nbsp;<asp:Calendar ID="Calendar1" runat="server"
                        OnSelectionChanged="Calendar1_SelectionChanged"></asp:Calendar>
                        <asp:LinkButton ID="LinkButton1" runat="server" OnClick="LinkButton1_Click">Pick
                        date</asp:LinkButton>
                        &nbsp;</td>
                    </tr>
            </table>
        </div>
    </form>
</body>
</html>
```

```

<tr>
<td class="auto_style1">
<asp:Label ID="Label6" runat="server" Text="Choose Image:"></asp:Label>
</td>
<td>
<asp:Image ID="img" runat="server" Height="102px" Width="97px" />
&nbsp;<br />
&nbsp;<br />
<asp:FileUpload ID="f1" runat="server" />
&nbsp;<br />
<asp:Button ID="b2" runat="server" Text="Upload" />
</td>
</tr>
<tr>
<td class="style1">
<asp:Label ID="Label4" runat="server" Text="Select Country:"></asp:Label>
</td>
<td>
<asp:DropDownList ID="DropDownList1" runat="server">
<asp:ListItem>Select any one</asp:ListItem>
<asp:ListItem>India</asp:ListItem>
<asp:ListItem>Pakistan</asp:ListItem>
<asp:ListItem>Afganistan</asp:ListItem>
<asp:ListItem>Bangladesh</asp:ListItem>
</asp:DropDownList>
</td>
</tr>
<tr>
<td class="style1">&nbsp;<asp:Label ID="Label5" runat="server" Text="You are expert
in:"></asp:Label>
</td>
<td>
<asp:CheckBox ID="CheckBox1" runat="server" Text="C" />
<br />
<asp:CheckBox ID="CheckBox2" runat="server" Text="C++" />
<br />
<asp:CheckBox ID="CheckBox3" runat="server" Text="Java" />
</td>
</tr>
<tr>
<td class="style1">&nbsp;</td>
<td>
<asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Submit" />
</td>
</tr>
<tr>
<td class="style1">&nbsp;</td>
<td>&nbsp;</td>

```

```

        </tr>
        <tr>
            <td class="auto-style1" colspan="2">
                <asp:ListBox ID="ListBox1" runat="server" Height="144px" Width="473px"></asp:ListBox>
            </td>
        </tr>
    </table>
</div>
</form>
</body>
</html>

```

Default.aspx.cs

```

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

public partial class Default2 : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        Calendar1.Visible = false;
    }
    protected void LinkButton1_Click(object sender, EventArgs e)
    {
        Calendar1.Visible = true;
    }
    protected void Calendar1_SelectionChanged(object sender, EventArgs e)
    {
        TextBox2.Text = Calendar1.SelectedDate.ToLongDateString();
        Calendar1.Visible = false;
    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        ListBox1.Items.Clear();
        string str = "";
        ListBox1.Items.Add("Name is: " + TextBox1.Text);

        if (RadioButton1.Checked == true)
            ListBox1.Items.Add("You are " + RadioButton1.Text);
        else
            ListBox1.Items.Add("You are " + RadioButton2.Text);

        ListBox1.Items.Add("Date of Birth is: " + TextBox2.Text);
        ListBox1.Items.Add("You are from: " + DropDownList1.SelectedValue.ToString());
    }
}

```

```

if (CheckBox1.Checked == true)
{
    str = CheckBox1.Text;
}
if (CheckBox2.Checked == true)
{
    str = str + ", " + CheckBox2.Text;
}
if (CheckBox3.Checked == true)
{
    str = str + ", " + CheckBox3.Text;
}
ListBox1.Items.Add("You are expert in: " + str);
}
protected void UploadBtn_Click(object sender, EventArgs e)
{
    {
        if (f1.HasFile)
        {
            String str = f1.FileName;
            f1.PostedFile.SaveAs(Server.MapPath("~/pictures/" + str));
            img.ImageUrl = "~/pictures/" + str;
        }
    }
}

```

OUTPUT:

1) When you run the project

localhost:1517/WebSite4 x

localhost:1517/WebSite4/Default2.aspx

Enter name:

Select Gender: ☐ Male ☐ Female

Select DOB: [Pick date](#)

Choose Image: 

No file chosen

Select Country:

You are expert in: ☐ C ☐ C++ ☐ Java

2) When You Fill The Data

localhost:1517/WebSite4 x
localhost:1517/WebSite4/Default2.aspx

Enter name:

Select Gender: ☐ Male ☒ Female

Select DOB: [Pick date](#)

Choose Image: 

Penguins.jpg

Select Country:

You are expert in:

☐ C

☒ C++

☒ Java

3) After clicking on submit button

localhost:1517/WebSite4 x
localhost:1517/WebSite4/Default2.aspx

Enter name:

Select Gender: ☐ Male ☒ Female

Select DOB: [Pick date](#)

Choose Image: 

No file chosen

Select Country:

You are expert in:

☐ C

☒ C++

☒ Java

Name is: abc
You are Female
Date of Birth is: Friday, February 23, 2018
You are from: India
You are expert in: , C++, Java

Write a program to show the use of Validation in ASP.NET

Default2.aspx

[illegible]

[illegible]

Default.aspx.cs

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

public partial class Default2 : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

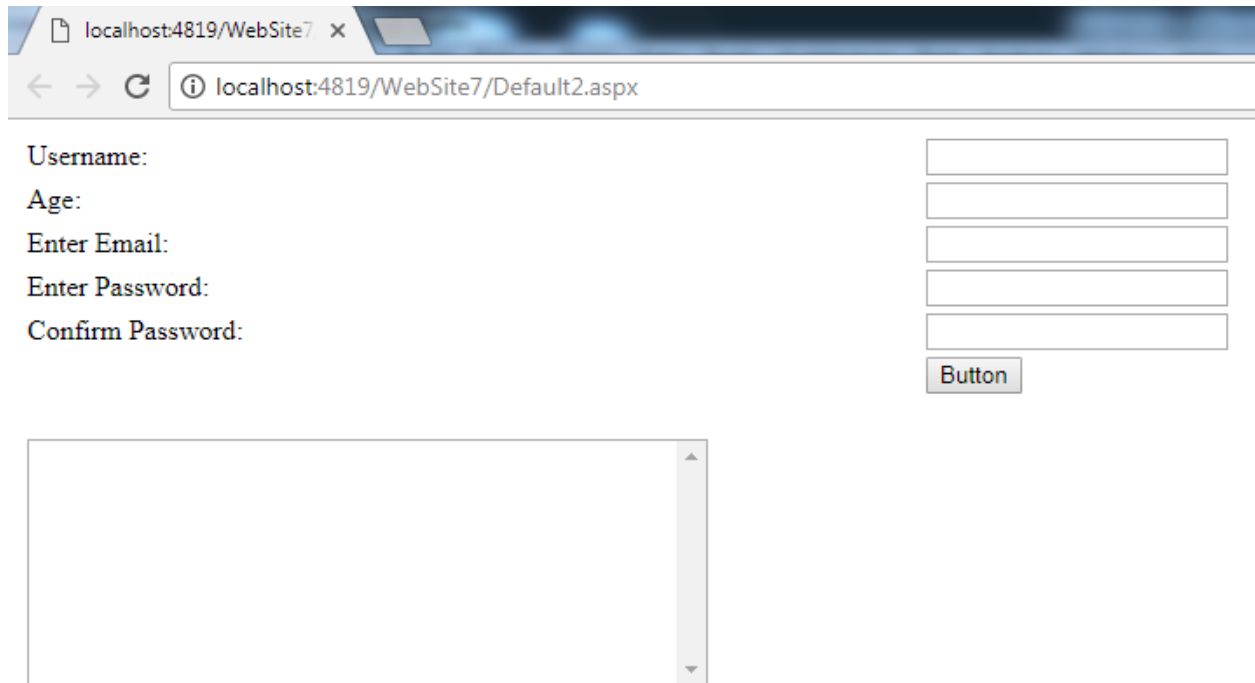
    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        ListBox1.Items.Clear();
        if (TextBox1.Text != "" && TextBox2.Text != "" && TextBox3.Text != "" && TextBox4.Text != "")
        {
            ListBox1.Items.Add("username is: " + TextBox1.Text);
            ListBox1.Items.Add("Age is: " + TextBox2.Text);
            ListBox1.Items.Add("Email ID is: " + TextBox3.Text);
            ListBox1.Items.Add("Password is: " + TextBox4.Text);
        }
    }
}
```

Form Design

Username:	<input type="text"/>	Username cannot be empty
Age:	<input type="text"/>	Age cannot be empty Age should be numbers between 18 to 60
Enter Email:	<input type="text"/>	Email cannot be empty Not a valid email
Enter Password:	<input type="text"/>	Password cannot be empty
Confirm Password:	<input type="text"/>	Cannot be empty Password does not match
<input type="button" value="Button"/>		
<div>Unbound</div>		

OUTPUT:



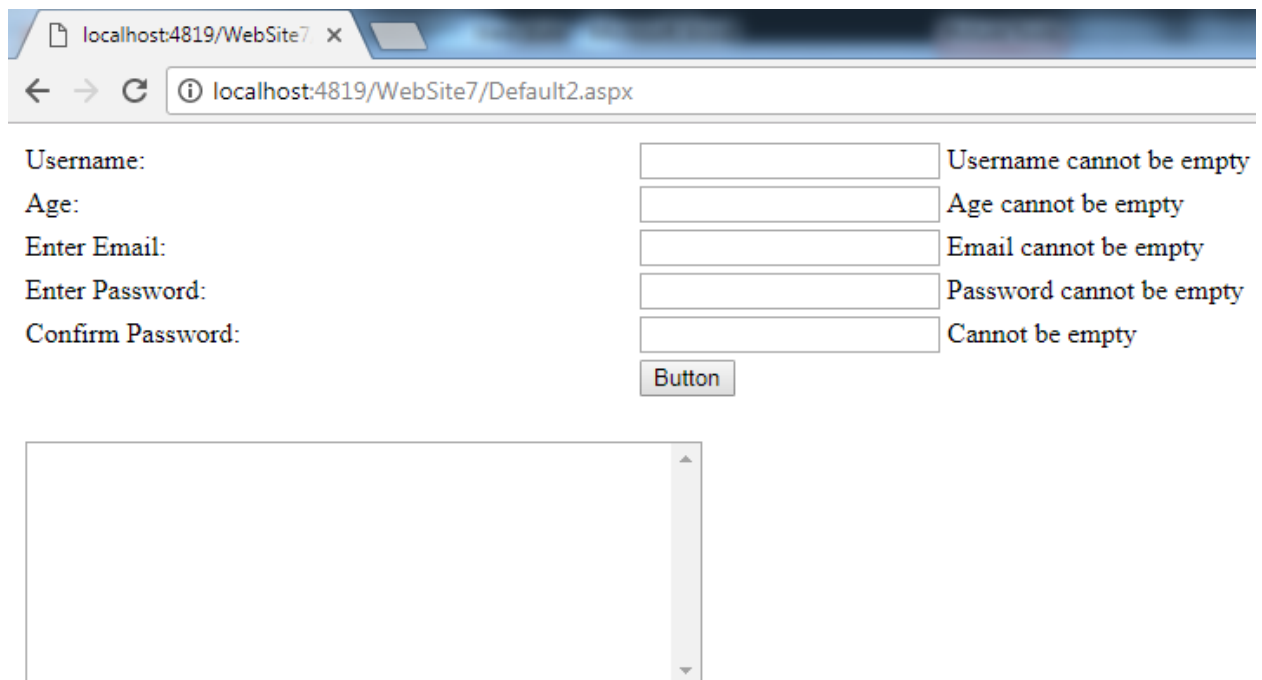
A screenshot of a web browser window. The address bar shows 'localhost:4819/WebSite7 x' and the page URL is 'localhost:4819/WebSite7/Default2.aspx'. The page contains a registration form with the following labels and input fields:

- Username:
- Age:
- Enter Email:
- Enter Password:
- Confirm Password:

Below the input fields is a 'Button' with the text 'Button'. At the bottom of the form is a large, empty text area with a vertical scrollbar.

1. Required_Field validator:

Click submit button without entering any text into textbox:



A screenshot of the same web browser window after clicking the submit button without entering any text. The input fields now have red error messages next to them:

- Username: Username cannot be empty
- Age: Age cannot be empty
- Enter Email: Email cannot be empty
- Enter Password: Password cannot be empty
- Confirm Password: Cannot be empty

The 'Button' still shows 'Button'. The large text area at the bottom remains empty.

2. Range Validator:

If user put wrongly age in age textbox:

Username:	<input type="text" value="abc"/>	
Age:	<input type="text" value="17"/>	Age should be numbers between 18 to 60
Enter Email:	<input type="text" value="abc@gmail.com"/>	
Enter Password:	<input type="password" value="..."/>	
Confirm Password:	<input type="password" value="..."/>	
	<input type="button" value="Button"/>	

```
username is: abc
Age is: 17
Email ID is: abc@gmail.com
Password is: abc
```

3. Regular Expression:

If user entered invalid email id:

Username:	<input type="text" value="abc"/>	
Age:	<input type="text" value="18"/>	
Enter Email:	<input type="text" value="abc.gamil.com"/>	Not a valid email
Enter Password:	<input type="password"/>	
Confirm Password:	<input type="password"/>	
	<input type="button" value="Button"/>	

```
username is: abc
Age is: 18
Email ID is: abc.gamil.com
Password is: abc
```

4. Compare validator:

If user entered wrong password in both textbox.

Username:	<input type="text" value="abc"/>	
Age:	<input type="text" value="18"/>	
Enter Email:	<input type="text" value="abc@gmail.com"/>	
Enter Password:	<input type="text" value="abcd"/>	
Confirm Password:	<input type="text" value="abcde"/>	Password does not match
	<input type="button" value="Button"/>	

username is: abc
Age is: 18
Email ID is: abc@gmail.com
Password is: abcd

5. When form is submitted correctly:

Username:	<input type="text" value="abc"/>	
Age:	<input type="text" value="18"/>	
Enter Email:	<input type="text" value="abc@gmail.com"/>	
Enter Password:	<input type="text" value="abcd"/>	
Confirm Password:	<input type="text" value="abcd"/>	
	<input type="button" value="Button"/>	

username is: abc
Age is: 18
Email ID is: abc@gmail.com
Password is: abcd

Write a Program to show Date and Time using MVC

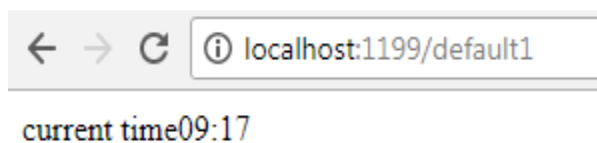
Index.aspx

```
<%@  
  
<head runat="server">  
    <title>Index</title>  
</head>  
<body>  
    <div>  
        current time<%=ViewData["current time"] %>  
    </div>  
</body>  
</html>
```

default1controller.cs

```
using System;  
using System.Collections.Generic;  
using System.Linq;  
using System.Web;  
using System.Web.Mvc;  
namespace MvcApplication1.Controllers  
{  
    public class Default1Controller : Controller  
    {  
        public ActionResult Index()  
        {  
            ViewData["current time"] = DateTime.Now.ToShortTimeString();  
            return View();  
        }  
    }  
}
```

OUTPUT:



Write a MVC Program to get the display the details of an Employee

DEFAULT2CONTROLLER.CS

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
using MvcApplication2.Models;
namespace MvcApplication2.Controllers
{
    public class Default2Controller : Controller
    {
        public ActionResult Index()
        {
            return View();
        }
        public ActionResult fillcustmer()
        {
            return View();
        }
        public ActionResult displaycustomer()
        {
            Class1 obj = new Class1();
            obj.cid = Convert.ToInt32(Request.Form["custid"]);
            obj.amt = Convert.ToDouble(Request.Form["custamt"]);
            obj.name = Request.Form["custname"];
            return View(obj);
        }
    }
}
```

CLASS1.CS

```
using System;
using System.Linq;
using System.Web;
namespace MvcApplication2.Models
{
    public class Class1
    {
        public int cid { get; set; }
        public double amt { get; set; }
        public string name { get; set; }
    }
}
```

FILLCUSTMER.ASPX

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

```

<head runat="server">
  <title>fillcustmer</title>
</head>
<body>
<form action="displaycustomer" method=post>
<div>
  ID <input type=text name="custid"><br>
  AMOUNT <input type=text name="custamt"><br>
  Name <input type=text name="custname"><br>
  <input type=submit name="btn1">
</div>
</form>
</body>
</html>

```

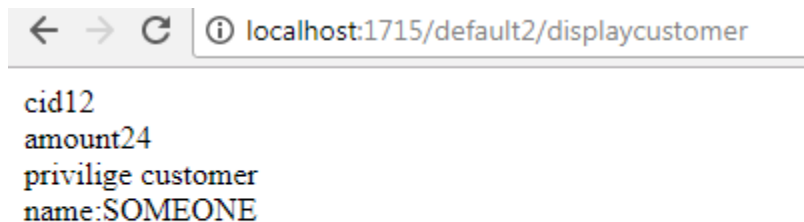
DISPLAYCUSTOMER.ASPX

```

<html xmlns="http://www.w3.org/1999/xhtml" >
<head runat="server">
  <title>displaycustomer</title>
</head>
<body>
  <div>
    cid<%=Model.cid%><br>
    amount<%=Model.amt%><br>
    <%if(Model.amt< 100){%>
      privilege customer
    <% } %>
    <br>
    name:<%=Model.name%><br>
  </div>
</body>
</html>

```

OUTPUT:



← → ↻ ⓘ localhost:1715/default2/displaycustomer

cid12
amount24
privilege customer
name:SOMEONE

