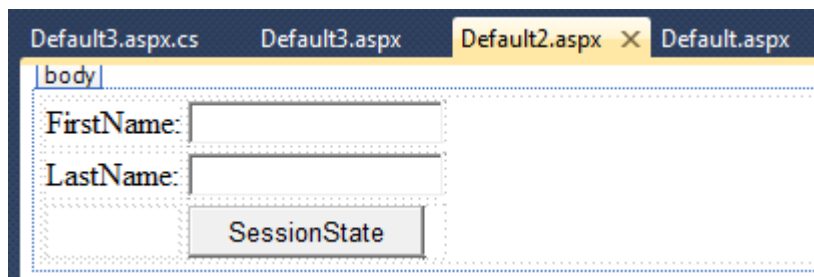


Write a Program to demonstrate Session state

Default2.aspx

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
<table>
<tr>
<td>FirstName:</td><td><asp:TextBox ID="txtfName" runat="server"/></td>
</tr>
<tr>
<td>LastName:</td><td><asp:TextBox ID="txtlName" runat="server"/></td>
</tr>
<tr><td></td><td> <asp:Button ID="btnSubmit" runat="server"
Text="SessionState" OnClick="btnSubmit_Click" /></td></tr>
</table>
        </div>
    </form>
</body>
</html>
```



Default.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class Default2 : System.Web.UI.Page
{
    protected void btnSubmit_Click(object sender, EventArgs e)
    {
        Session["FirstName"] = txtfName.Text;
    }
}
```

```

        Session["LastName"] = txt1Name.Text;
        Response.Redirect("Default3.aspx");
    }
}

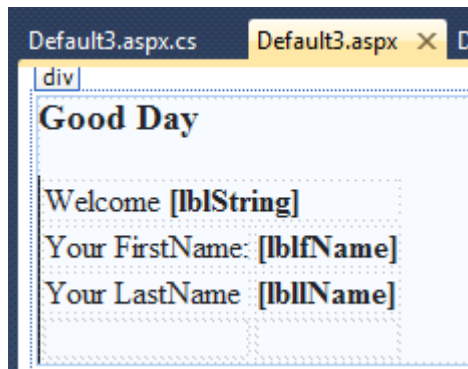
```

Default3.aspx

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <h3>Good Day</h3>
            <table>
            <tr>
            <td colspan="2">Welcome <b><asp:Label ID="lblString"
            runat="server"/></b></td>
            </tr>
            <tr>
            <td>Your FirstName: </td><td><b><asp:Label ID="lblfName"
            runat="server"/></b></td>
            </tr>
            <tr>
            <td>Your LastName </td><td><b><asp:Label ID="lbl1Name"
            runat="server"/></b></td>
            </tr>
            <tr><td></td><td> </td></tr>
            </table>
        </div>
    </form>
</body>
</html>

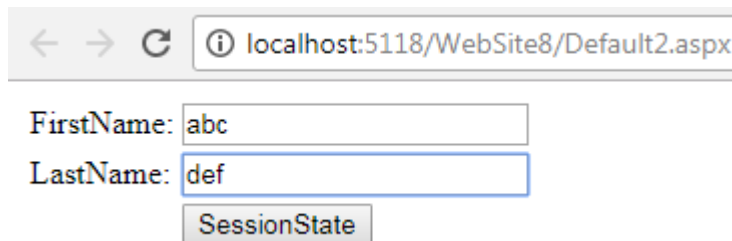
```



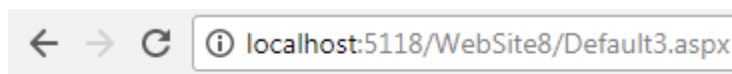
Default3.aspx.cs

```
using System;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class Default3 : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        if (!IsPostBack)
        {
            if (Session["FirstName"] == null && Session["LastName"] == null)
            {
                Session["FirstName"] = "Aspdotnet";
                Session["LastName"] = " Suresh";
                lblString.Text = "Welcome " + Session["FirstName"] +
Session["LastName"];
            }
            else
            {
                lblString.Text = Session["FirstName"] + " " +
Session["LastName"];
                lblfName.Text = Session["FirstName"].ToString();
                lblLName.Text = Session["LastName"].ToString();
            }
        }
    }
}
```

OUTPUT:



After you click SessionState button



Good Day

Welcome **abc def**

Your FirstName: **abc**

Your LastName: **def**

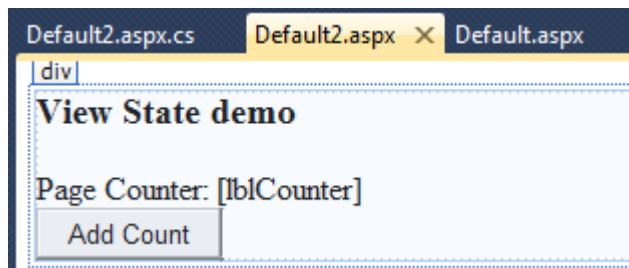
Write a Program to demonstrate View state

Default2.aspx

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <h3>View State demo</h3>

            Page Counter:

            <asp:Label ID="lblCounter" runat="server" />&nbsp;<br/>
            <asp:Button ID="btnIncrement" runat="server" Text="Add Count" />
        </div>
    </form>
</body>
</html>
```



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
{
    public int counter
    {
        get
        {
            if (ViewState["pcounter"] != null)
            {
```

```

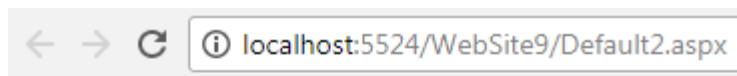
        return ((int)ViewState["pcounter"]);
    }
    else
    {
        return 0;
    }
}

set
{
    ViewState["pcounter"] = value;
}
}

protected void Page_Load(object sender, EventArgs e)
{
    lblCounter.Text = counter.ToString();
    counter++;
}
}

```

OUTPUT:

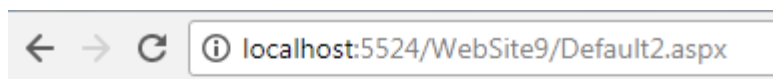


View State demo

Page Counter: 0

Add Count

When you click on add count button, the value of page counter will increase



View State demo

Page Counter: 2

Add Count

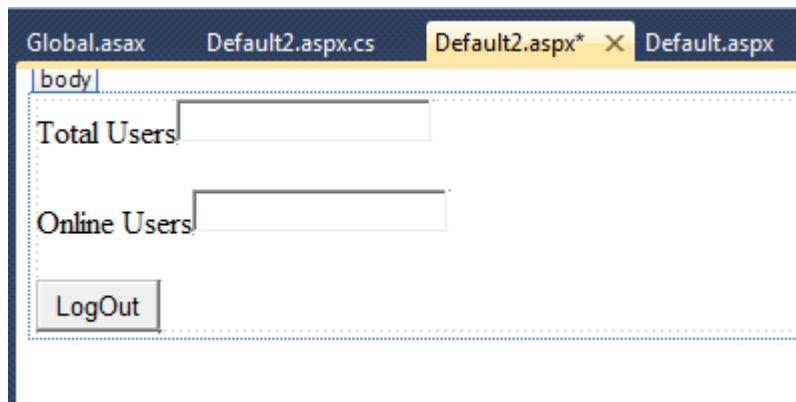
Write a Program to demonstrate Application state

Default.aspx

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head id="Head1" runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>

            <asp:Label ID="Label1" runat="server" Text="Total Users"></asp:Label>
            <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

        </div>
        <asp:Label ID="Label2" runat="server" Text="Online Users"></asp:Label>
        <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
        <br />
        <asp:Button ID="Button1" runat="server" Text="LogOut"
onclick="Button1_Click" />
    </form>
</body>
</html>
```



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)
{
    string tusers, ousers;
    Application.Lock();
    tusers = Application["tusers"].ToString();
    ousers = Application["ousers"].ToString();
    Application.Unlock();
    TextBox1.Text = tusers;
    TextBox2.Text = ousers;
}

protected void Button1_Click(object sender, EventArgs e)
{
    Session.Abandon();
}
}

```

Global.asax

```

<%@ Application Language="C#" %>
<script runat="server">

```

```

    void Application_Start(object sender, EventArgs e)
    {
        Application.Lock();
        Application["tusers"] = 0;
        Application["ousers"] = 0;
        Application.Unlock();
    }
    void Session_Start(object sender, EventArgs e)
    {
        int tusers, ousers;
        Application.Lock();
        tusers = int.Parse(Application["tusers"].ToString())+1;
        ousers = int.Parse(Application["ousers"].ToString())+1;
        Application["tusers"] = tusers;
        Application["ousers"] = ousers;
        Application.Unlock();
    }
    void Session_End(object sender, EventArgs e)
    {
        int ousers;
        Application.Lock();
        ousers = int.Parse(Application["ousers"].ToString()) - 1;
        Application["ousers"] = ousers;
        Application.Unlock();
    }
}

```

```

</script>

```

OUTPUT

← → ↻ ⓘ localhost:6225/WebSite11/Default2.aspx

Total Users

Online Users

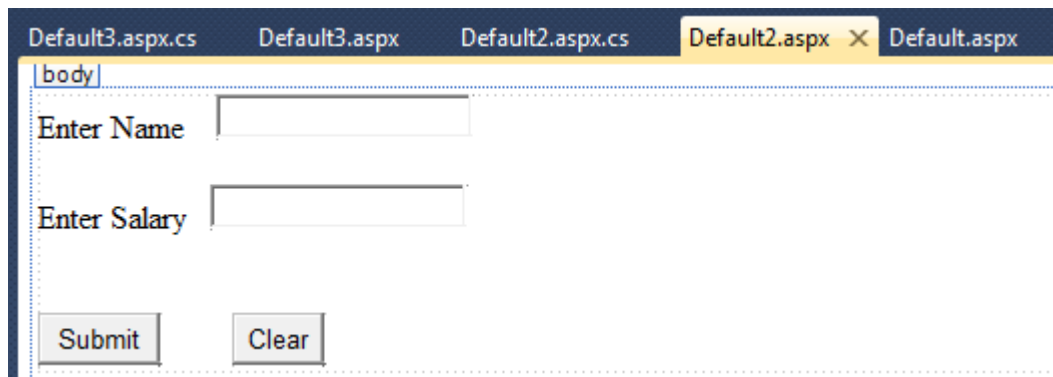
← → ↻ ⓘ localhost:6225/WebSite11/Default2.aspx

Total Users

Online Users

Write a Program to demonstrate Cookie state

Default2.aspx

[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;

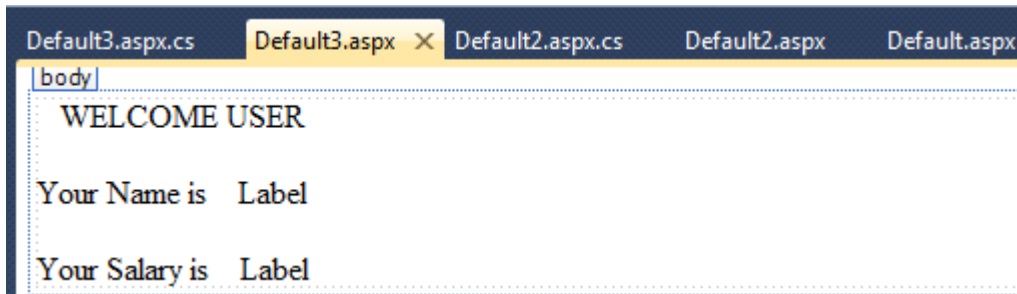
public partial class Default2 : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        HttpCookie cookie = new HttpCookie("info");
        cookie["name"] = TextBox1.Text;
        cookie["salary"] = TextBox2.Text;
        Response.Cookies.Add(cookie);
        Response.Redirect("Default3.aspx");
    }
}
```

Default3.aspx

[illegible]



Default3.aspx

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

public partial class Default3 : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        HttpCookie cookie = Request.Cookies["info"];
        if (cookie != null)
        {
            Label2.Text = cookie["name"].ToString();
            Label3.Text = cookie["salary"].ToString();
        }
    }
}
```

OUTPUT:

← → ↻ ⓘ localhost:6716/WebSite12/Default2.aspx

Enter Name

Enter Salary

← → ↻ ⓘ localhost:6716/WebSite12/Default3.aspx

WELCOME USER

Your Name is aaaaaaaaa

Your Salary is 100000

Cookie has created

← → ↻ ⓘ localhost:6716/WebSite12/Default2.aspx

Enter Name

Enter Salary