Practical No 9

1. Drag and drop a textbox and a button. On the click of a button the number of clicks is to be displayed in the textbox. Use Viewstate to see the clicks count.

.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm7.aspx.cs" Inherits="WebApplication9.WebForm7" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

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

        <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
        <br />
        <br />
        <asp:Button ID="Button1" runat="server"
onclick="Button1_Click"
        Text="Click me to see the no of clicks" Width="203px" />

    </div>
    </form>
</body>
</html>
```
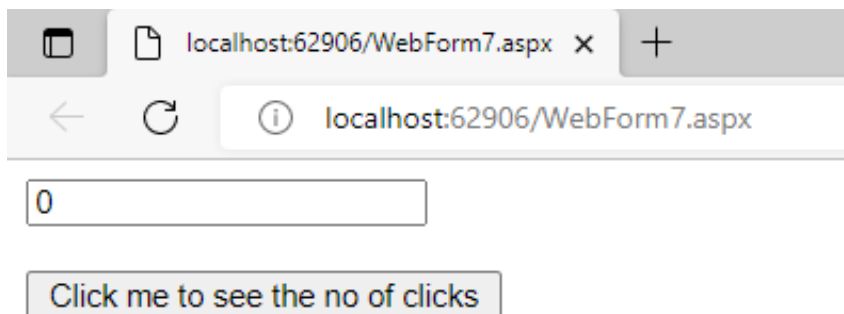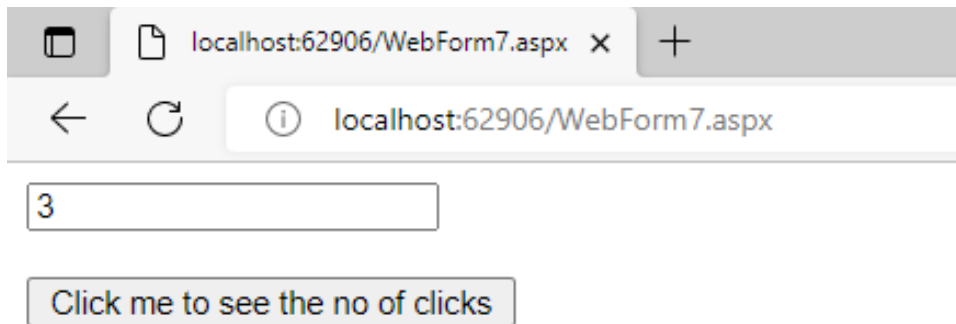
.cs

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

```
namespace WebApplication9
{
    public partial class WebForm7 : System.Web.UI.Page
    {

        int ClicksCount = 1;
         protected void Page_Load(object sender, EventArgs e)
         {
            if (!IsPostBack)
            {
                TextBox1.Text = "0";
            }
        }


        protected void Button1_Click(object sender, EventArgs e)
        {
            if (ViewState["Clicks"] != null)
            {
                ClicksCount = (int)ViewState["Clicks"] + 1;
            }
            TextBox1.Text = ClicksCount.ToString(); ;
            ViewState["Clicks"] = ClicksCount;

        }
    }
}
```

Output

2. Add a text box to enter name of a person, add a textbox to enter email id of a person, add a button, on the click of the button the data in the current web page should be transferred to another web page and data is to be seen in the new web page. Use
   - Query String
   - Cookies
   - Session
   - Application

Query String

WebForm8.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm8.aspx.cs" Inherits="WebApplication9.WebForm8" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

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

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

        This is Web Form 8<br />
        <br />
        Name :
        <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
        <br />
        <br />
      Email :
        <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
        <br />
        <br />
        <br />
        <asp:Button ID="Button1" runat="server"
onclick="Button1_Click"
            Text="Go to Web Form 9" />

    </div>
    </form>
</body>
</html>
```

WebForm8.aspx.cs

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

namespace WebApplication9
{
    public partial class WebForm8 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
```

```
            Response.Redirect("WebForm9.aspx?UserName=" +
Server.UrlEncode(TextBox1.Text) +
                "&UserEmail=" + Server.UrlEncode(TextBox2.Text));

        }
    }
}
```
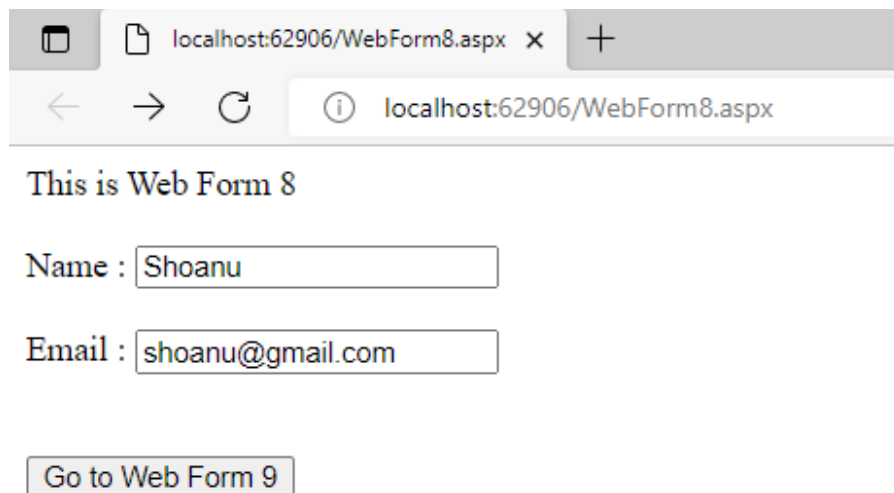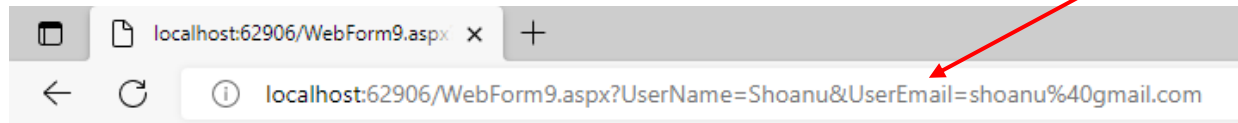
WebForm9.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm9.aspx.cs" Inherits="WebApplication9.WebForm9" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

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

        <br />
        This is Web Form 9<br />
        <br />
        Name :
        <asp:Label ID="Label1" runat="server"
Text="Label"></asp:Label>
        <br />
        <br />
        Email :
        <asp:Label ID="Label2" runat="server"
Text="Label"></asp:Label>

    </div>
    </form>
</body>
</html>
```

WebForm9.aspx.cs

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

namespace WebApplication9
{
    public partial class WebForm9 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            Label1.Text = Request.QueryString["UserName"];
            Label2.Text = Request.QueryString["UserEmail"];

        }
    }
}
```

This is Web Form 8

Name : Shoanu

Email : shoanu@gmail.com

Go to Web Form 9

localhost:62906/WebForm9.aspx   ×   +

← C   ⓘ   localhost:62906/WebForm9.aspx?UserName=Shoanu&UserEmail=shoanu%40gmail.com

This is Web Form 9

Name : Shoanu

Email : shoanu@gmail.com

Cookies

WebForm8.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm8.aspx.cs" Inherits="WebApplication9.WebForm8" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

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

        This is Web Form 8<br />
        <br />
        Name :
        <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
        <br />
        <br />
      Email :
        <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
        <br />
        <br />
        <br />
        <asp:Button ID="Button1" runat="server"
onclick="Button1_Click"
```

```
            Text="Go to Web Form 9 - Cookies" />

    </div>
    </form>
</body>
</html>
```

WebForm8.aspx.cs

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

namespace WebApplication9
{
    public partial class WebForm8 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            HttpCookie cookie = new HttpCookie("UserDetails");
            cookie["Name"] = TextBox1.Text;
            cookie["Email"] =TextBox2.Text;
            cookie.Expires = DateTime.Now.AddDays(30);
            Response.Cookies.Add(cookie);
            Response.Redirect("WebForm9.aspx");
        }
    }
}
```

WebForm9.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm9.aspx.cs" Inherits="WebApplication9.WebForm9" %>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

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

        <br />
        This is Web Form 9<br />
        <br />
        Name :
        <asp:Label ID="Label1" runat="server"
Text="Label"></asp:Label>
        <br />
        <br />
        Email :
        <asp:Label ID="Label2" runat="server"
Text="Label"></asp:Label>

    </div>
    </form>
</body>
</html>
```
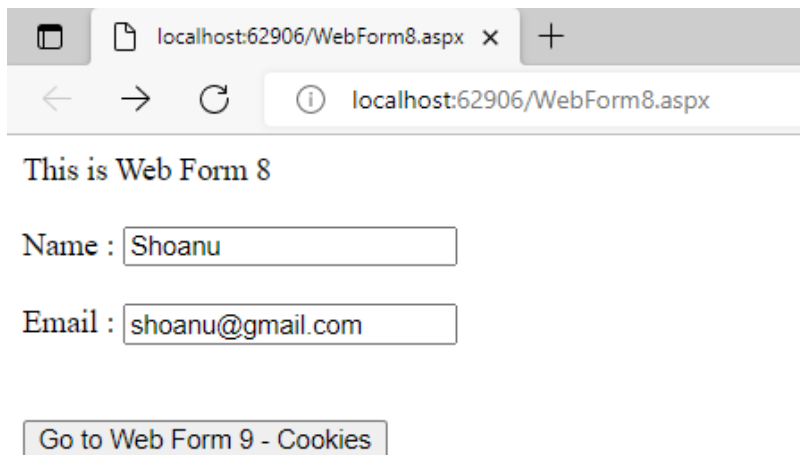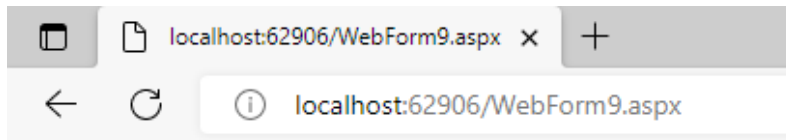
WebForm9.aspx.cs

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

namespace WebApplication9
{
    public partial class WebForm9 : System.Web.UI.Page
    {
```

```csharp
protected void Page_Load(object sender, EventArgs e)
{
    HttpCookie cookie = Request.Cookies["UserDetails"];
    if (cookie != null)
    {

        Label1.Text = cookie["Name"];
        Label2.Text = cookie["Email"];
    }

}
}
}
```

Output

This is Web Form 8

Name : Shoanu

Email : shoanu@gmail.com

Go to Web Form 9 - Cookies

This is Web Form 9

Name : Shoanu

Email : shoanu@gmail.com

Session

Add the below in web.config file

```
<configuration>

  <system.web>
      <sessionState mode="InProc" timeout="25"></sessionState>
  </system.web>
</configuration>
```

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm8.aspx.cs" Inherits="WebApplication9.WebForm8" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

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

        This is Web Form 8<br />
        <br />
        Name :
        <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
```

```
        <br />
        <br />
      Email :
        <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
        <br />
        <br />
        <br />
        <asp:Button ID="Button1" runat="server"
onclick="Button1_Click"
          Text="Go to Web Form 9 - Session" />

    </div>
    </form>
</body>
</html>
```

WebForm8.aspx.cs

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

namespace WebApplication9
{
    public partial class WebForm8 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            Session["Name"] = TextBox1.Text;
            Session["Email"] = TextBox2.Text;
            Response.Redirect("WebForm9.aspx");

        }
    }
}
```

WebForm9.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm9.aspx.cs" Inherits="WebApplication9.WebForm9" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

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

        <br />
        This is Web Form 9<br />
        <br />
        Name :
        <asp:Label ID="Label1" runat="server"
Text="Label"></asp:Label>
        <br />
        <br />
        Email :
        <asp:Label ID="Label2" runat="server"
Text="Label"></asp:Label>

    </div>
    </form>
</body>
</html>
```
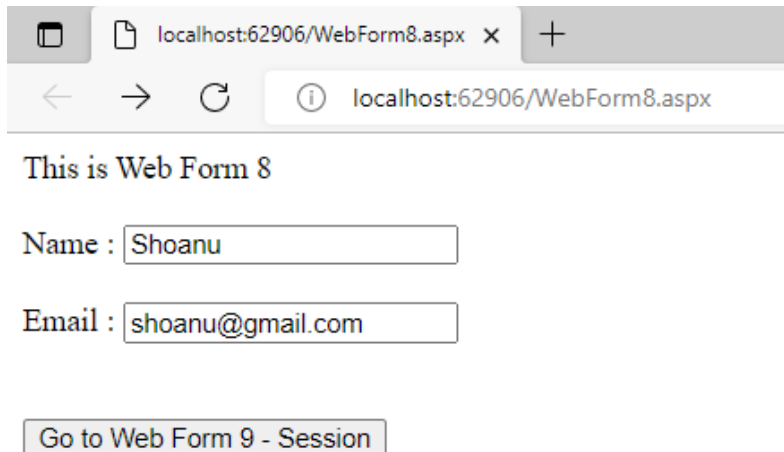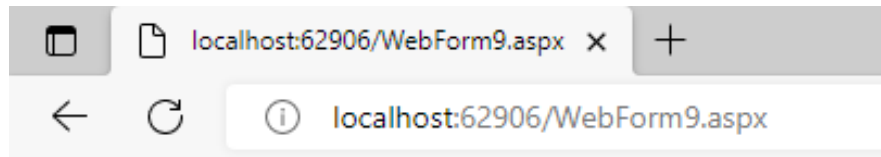
WebForm9.aspx.cs

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

```
namespace WebApplication9
{
    public partial class WebForm9 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (Session["Name"] != null)
            {
                Label1.Text = Session["Name"].ToString();
            }
            if (Session["Email"] != null)
            {
                Label2.Text = Session["Email"].ToString();
            }
        }
    }
}
```

Output

This is Web Form 8

Name : Shoanu

Email : shoanu@gmail.com

Go to Web Form 9 - Session

This is Web Form 9

Name : Shoanu

Email : shoanu@gmail.com

Application

WebForm8.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm8.aspx.cs" Inherits="WebApplication9.WebForm8" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

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

        This is Web Form 8<br />
        <br />
        Name :
        <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
        <br />
        <br />
    Email :
        <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
        <br />
```

```
        <br />
        <br />
        <asp:Button ID="Button1" runat="server"
onclick="Button1_Click"
           Text="Go to Web Form 9 - Application" />

    </div>
    </form>
</body>
</html>
```

WebForm8.aspx.cs

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

namespace WebApplication9
{
    public partial class WebForm8 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            Application["Name"] = TextBox1.Text;
            Application["Email"] = TextBox2.Text;
            Response.Redirect("WebForm9.aspx");

        }
    }
}
```

WebForm9.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm9.aspx.cs" Inherits="WebApplication9.WebForm9" %>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

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

        <br />
        This is Web Form 9<br />
        <br />
        Name :
        <asp:Label ID="Label1" runat="server"
Text="Label"></asp:Label>
        <br />
        <br />
        Email :
        <asp:Label ID="Label2" runat="server"
Text="Label"></asp:Label>

    </div>
    </form>
</body>
</html>
```
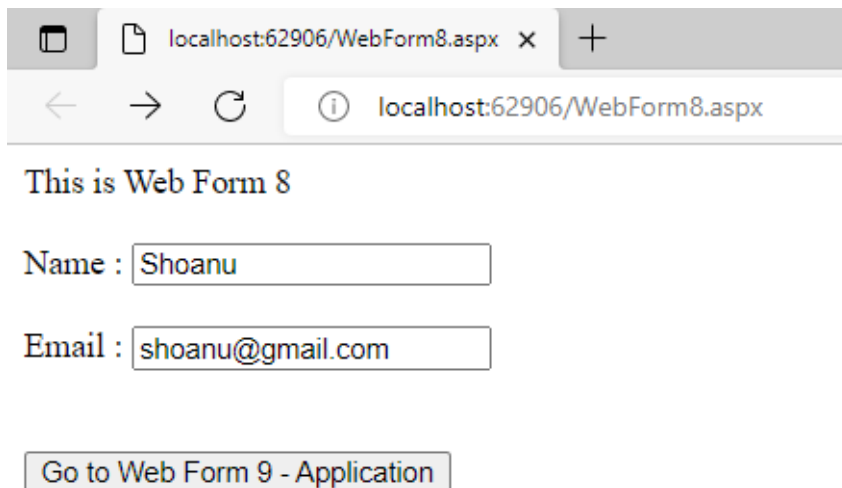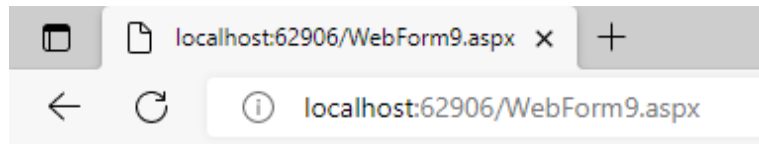
WebForm9.aspx.cs

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

namespace WebApplication9
{
    public partial class WebForm9 : System.Web.UI.Page
    {
```

```
protected void Page_Load(object sender, EventArgs e)
{
    if (Application["Name"] != null)
    {
        Label1.Text = Application["Name"].ToString();
    }
    if (Application["Email"] != null)
    {
        Label2.Text = Application["Email"].ToString();
    }
}
}
}
```

Output

localhost:62906/WebForm8.aspx ☐ ×   +

←   →   C   ⓘ   localhost:62906/WebForm8.aspx

This is Web Form 8

Name : Shoanu

Email : shoanu@gmail.com

Go to Web Form 9 - Application

localhost:62906/WebForm9.aspx × +

← C ⓘ localhost:62906/WebForm9.aspx

This is Web Form 9

Name : Shoanu

Email : shoanu@gmail.com