

Q1:

Webform1.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="Q1.WebForm1" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="height: 480px">
            <br />
            <asp:DropDownList ID="DropDownList1" runat="server"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged" AutoPostBack="true">
            </asp:DropDownList>
            <br />
            <br />
            <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
        </div>
    </form>
</body>
</html>
```

Webform1.aspx.cs

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

namespace Q1
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!this.IsPostBack)
            {
                DropDownList1.Items.Add(new ListItem("Honda"));
                DropDownList1.Items.Add(new ListItem("Hyundai"));
                DropDownList1.Items.Add(new ListItem("Skoda"));
                DropDownList1.Items.Add(new ListItem("Toyota"));
            }
        }

        protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
        {
            string model = TextBox1.Text;
            string manufacturer = DropDownList1.SelectedValue;

            string url = "NewPage.aspx?model=" + Server.UrlEncode(model) +
"&manufacturer=" + Server.UrlEncode(manufacturer);
            Response.Redirect(url);
        }
    }
}
```

```

    }
}

```

NewPage.aspx

```

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="NewPage.aspx.cs"
Inherits="Q1.WebForm2" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="height: 108px">
            <asp:Label ID="Label1" runat="server" Text="Manufacturer:"></asp:Label>
            <br />
            <br />
            <asp:Label ID="Label2" runat="server" Text="Model:"></asp:Label>
        </div>
    </form>
</body>
</html>

```

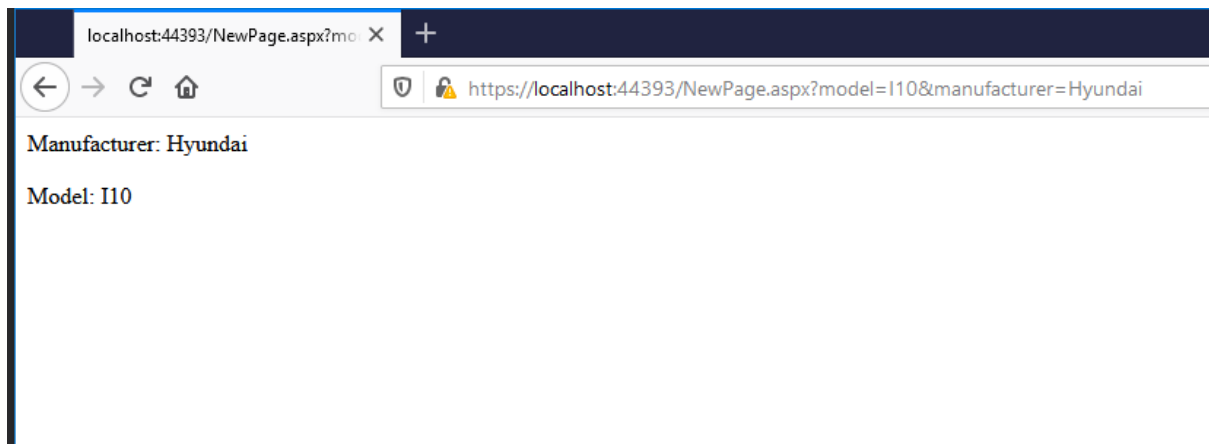
NewPage.aspx.cs

```

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

namespace Q1
{
    public partial class WebForm2 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            Label1.Text += " " + Request.QueryString["manufacturer"];
            Label2.Text += " " + Request.QueryString["model"];
        }
    }
}

```



Q3:

Webform1.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="Q3.WebForm1" %>
```

<!DOCTYPE html>

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

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

<title></title>

</head>

<body>

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

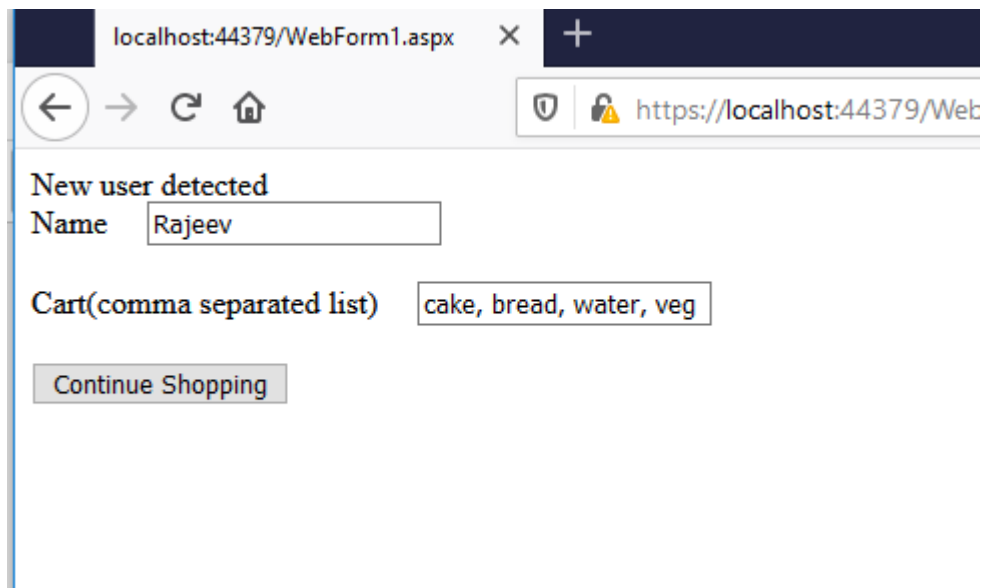
<div>

```
<asp:Label ID="Label3" runat="server"></asp:Label>
```


</div>

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

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

Q4:

Login.aspx.cs

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

namespace Q4
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!this.IsPostBack)
            {
                Session["login_count"] = 0;
                Application["fail_count"] = 0;
            }
        }
        protected void Button1_Click(object sender, EventArgs e)
        {
            string username = TextBox1.Text;
            string password = TextBox2.Text;

            if (username.Equals("raj") && password.Equals("1234"))
            {
                int count = (int)Session["login_count"];
                count++;
                Session["login_count"] = count;
                Label2.Text = "Login count:" + count.ToString();
                Session["fail_count"] = 0;
            }
            else
            {
                Label2.Text = "Wrong credentials";
            }
        }
    }
}
```

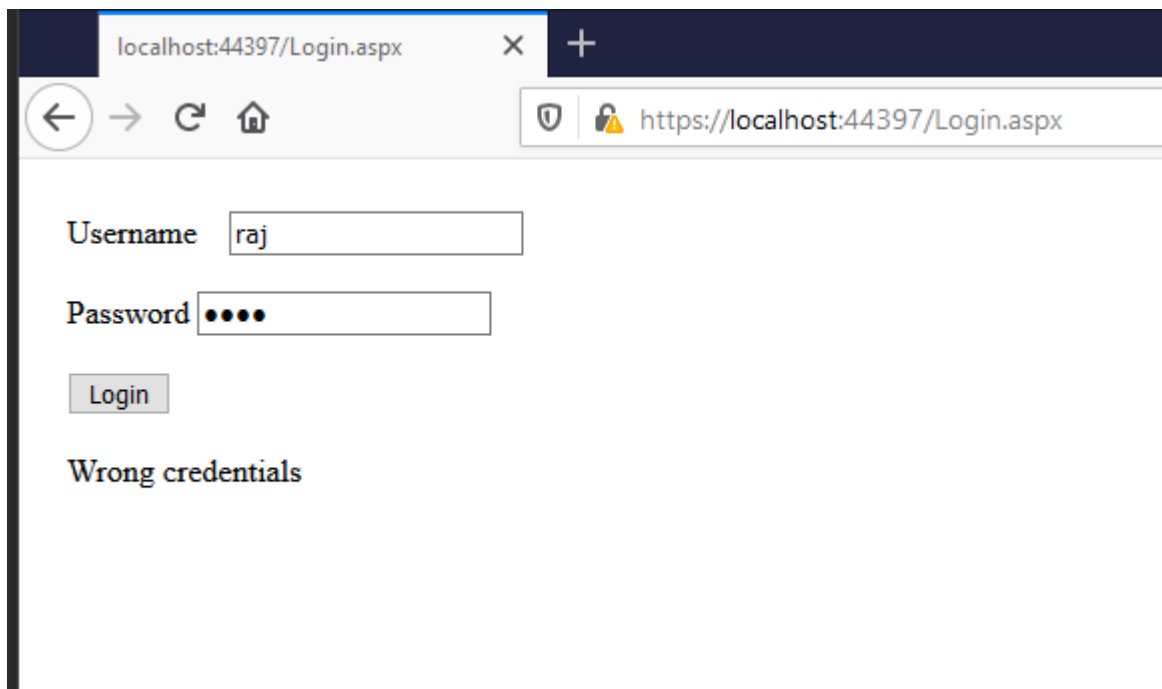
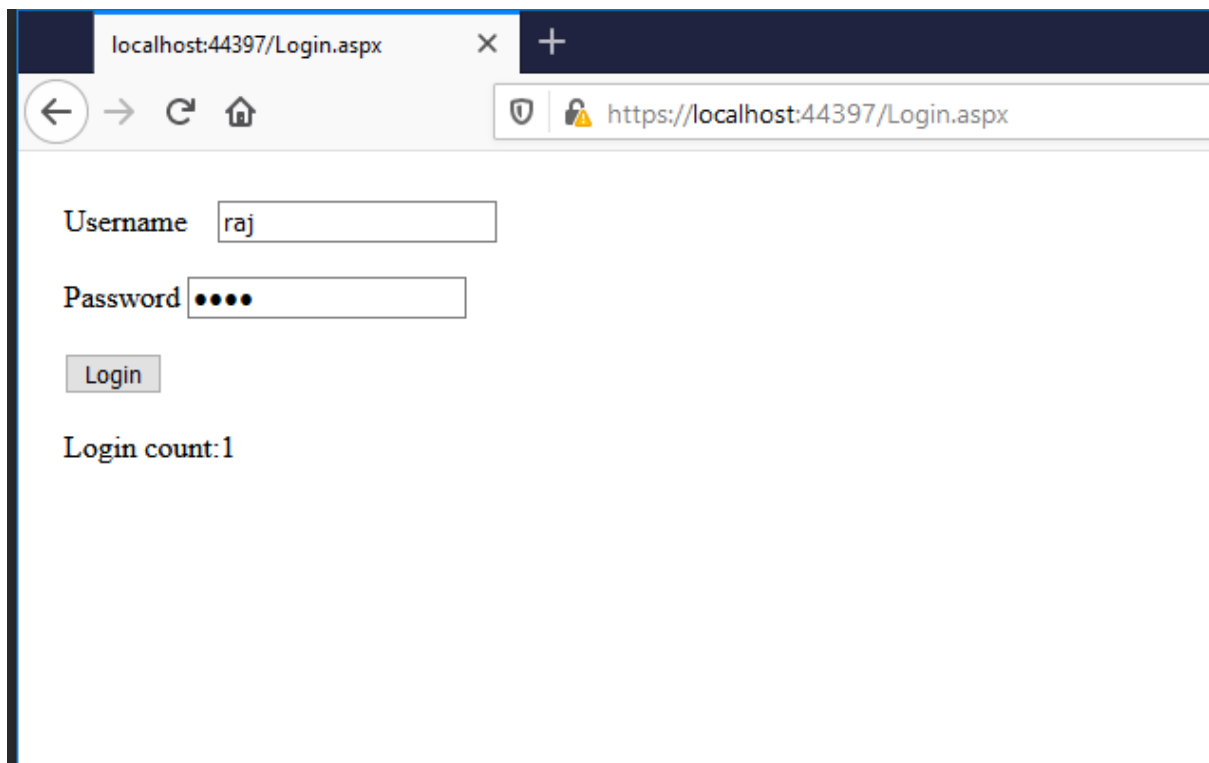
```
int count1 = (int)Application["fail_count"];
count1++;
Session["fail_count"] = count1;

if (count1 >= 3)
{
    TextBox1.Enabled = false;
    TextBox2.Enabled = false;
    Button1.Enabled = false;
}
}
}
}
```

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Login.aspx.cs"
Inherits="Q4.WebForm1" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="height: 290px">
            &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
            <br />
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
            <asp:Label ID="Label1" runat="server" Text="Username"></asp:Label>
&nbsp;&nbsp;&nbsp;&nbsp;&~
            <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
            <br />
            <br />
&nbsp;&nbsp;&nbsp;&nbsp;&~ Password
            <asp:TextBox ID="TextBox2" runat="server" type ="password"></asp:TextBox>
            <br />
            <br />
&nbsp;&nbsp;&nbsp;&nbsp;&~
            <asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Login" />
&nbsp;&nbsp;&nbsp;&nbsp;&~
            <br />
            <br />
&nbsp;&nbsp;&nbsp;&nbsp;&~
            <asp:Label ID="Label2" runat="server"></asp:Label>
        </div>
    </form>
</body>
</html>
```



Q2:

Firstpage.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="firstPage.aspx.cs"
Inherits="Q2.WebForm1" %>
```

```
<!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="Name"></asp:Label>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~>
            <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
            <br />
            <br />
            <asp:Label ID="Label2" runat="server" Text="Roll
No"></asp:Label>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~>
            <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
            <br />
            <br />
            <asp:Label ID="Label3" runat="server"
Text="Subjects"></asp:Label>&nbsp;&nbsp;&nbsp;&nbsp;&~>
            <asp:DropDownList ID="DropDownList1" runat="server">
                </asp:DropDownList>
            <br />
            <br />
            <asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Submit" />
        </div>
    </form>
</body>
</html>
```

Firstpage.aspx.cs

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

namespace Q2
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!this.IsPostBack)
            {
                DropDownList1.Items.Add("DS");
                DropDownList1.Items.Add("Algo");
                DropDownList1.Items.Add("DBMS");
            }
        }

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



```

        string name = TextBox1.Text;
        string rollno = TextBox2.Text;
        string subject = DropDownList1.SelectedValue;

        Session["name"] = name;
        Session["rollno"] = rollno;
        Session["subject"] = subject;

        Response.Redirect("secondPage.aspx");
    }
}

```

Secondpage.aspx

```

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="secondPage.aspx.cs"
Inherits="Q2.WebForm2" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="height: 370px">
            <asp:Label ID="Label1" runat="server"></asp:Label>
            <br />
            <br />
            <asp:Label ID="Label2" runat="server"></asp:Label>
            <br />
            <br />
            <asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Button" />
        </div>
    </form>
</body>
</html>

```

Secondpage.aspx.cs

```

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

namespace Q2
{
    public partial class WebForm2 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!this.IsPostBack)
            {
                Label2.Text = "0";
                HttpCookie cookie = new HttpCookie("counter");
            }
        }
    }
}

```

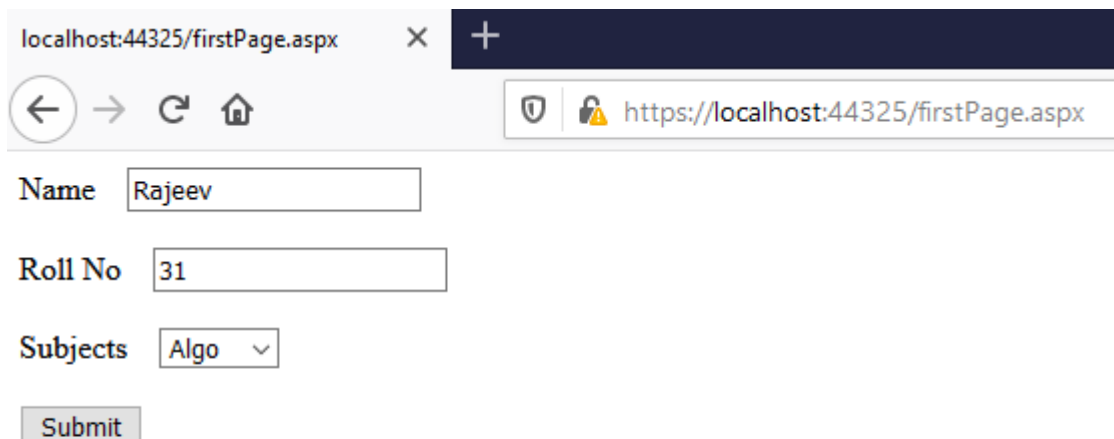
```

        cookie["Counter"] = "0";
        Response.Cookies.Add(cookie);
    }
    string name = (string)Session["name"];
    string rollno = (string)Session["rollno"];
    string subject = (string)Session["subject"];
    Label1.Text = "name:" + name + " rollno:" + rollno + " subject:" +
subject;
    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        HttpCookie cookie = Request.Cookies["counter"];

        if (cookie != null)
        {
            int val = Int32.Parse(cookie["Counter"]);
            val++;
            Label2.Text = val.ToString();
            cookie["Counter"] = val.ToString();
            Response.Cookies.Add(cookie);
        }
    }
}
}

```



The screenshot shows a web browser window with the address bar displaying 'localhost:44325/firstPage.aspx'. The page contains a form with the following elements:

- Name:** A text input field containing the value 'Rajeev'.
- Roll No:** A text input field containing the value '31'.
- Subjects:** A dropdown menu with 'Algo' selected.
- Submit:** A button labeled 'Submit'.

