

1. Create an ASP.NET Web Application demonstrating Code behind & page events

```
1 //Filename - home.aspx
2 <body>
3     <form id="form1" runat="server">
4         <asp:Label ID="Label1" runat="server" Text=""></asp:Label><br/>
5         <asp:Button ID="Button1" runat="server" Text="Click Me" OnClick="Button1_Click" />
6     </form>
7 </body>
8
9
10 //Filename - home.aspx.cs
11 protected void Button1_Click(object sender, EventArgs e)
12 {
13     Label1.Text = "Hello, Welcome to My Page!";
14 }
```

2. Create an ASP.NET Web Application to demonstrate Web Server Control

```
1 //Validation Controls Demo
2 //Filename - home.aspx
3 <form id="form1" runat="server">
4
5     <asp:Label ID="lb11" runat="server" Text="Enter Your Name :"></asp:Label>
6     <asp:TextBox ID="txt1" runat="server"></asp:TextBox>
7     <br />
8     <asp:Label ID="lb12" runat="server" Text="Gender : "></asp:Label>
9     <asp:RadioButton ID="rb1" runat="server" GroupName="gender" Text="Male" />
10    <asp:RadioButton ID="rb2" runat="server" GroupName="gender" Text="Female" />
11    <br />
12    <asp:Label ID="lb13" runat="server" Text="Country : "></asp:Label>
13    <asp:DropDownList ID="ddl1" runat="server">
14        <asp:ListItem>India</asp:ListItem>
15        <asp:ListItem>USA</asp:ListItem>
16        <asp:ListItem>Russia</asp:ListItem>
17    </asp:DropDownList>
18    <br />
19    <asp:Label ID="lb14" runat="server" Text="Select Courses : "></asp:Label>
20    <asp:CheckBox ID="cb1" runat="server" Text="Software" />
21    <asp:CheckBox ID="cb2" runat="server" Text="Java" />
22    <asp:CheckBox ID="cb3" runat="server" Text="DS" />
23    <asp:CheckBox ID="cb4" runat="server" Text="ASP" />
24    <br />
25    <asp:Button ID="btn1" runat="server" Text="Submit" />
26
27 </form>
```


3. Create an ASP.NET Web Application to demonstrate Validation Control

```
1 //Validation Controls
2 <form id="form1" runat="server">
3
4     <asp:Label ID="Label1" runat="server" Text="Enter Your Name:"></asp:Label>
5     <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
6     <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"
7         ControlToValidate="TextBox1" ErrorMessage="Please Enter Name"></asp:RequiredFieldValidator>
8     <br />
9     <asp:Label ID="Label2" runat="server" Text="Enter Your Age:"></asp:Label>
10    <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
11    <asp:RangeValidator ID="RangeValidator1" runat="server"
12        ControlToValidate="TextBox2" ErrorMessage="Age Must be Greater than 18"
13        MaximumValue="99" MinimumValue="18"></asp:RangeValidator>
14    <br />
15    <asp:Label ID="Label3" runat="server" Text="Create Password"></asp:Label>
16    <asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>
17    <br />
18    <asp:Label ID="Label4" runat="server" Text="ReEnter Password"></asp:Label>
19    <asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>
20    <asp:CompareValidator ID="CompareValidator1" runat="server"
21        ControlToCompare="TextBox3" ControlToValidate="TextBox4"
22        ErrorMessage="Password Not Matched"></asp:CompareValidator>
23    <br />
24    <asp:Button ID="Button1" runat="server" Text="Submit" />
25
26 </form>
```

4. Create an ASP.NET Web Application to demonstrate AdRotator Control

```
1 //AdRotator
2 //home.aspx
3 <form id="form1" runat="server">
4     <asp:AdRotator ID="AdRotator1" runat="server" DataSourceID="XmlDataSource1" />
5     <asp:XmlDataSource ID="XmlDataSource1" runat="server" DataFile="~/XMLFile1.xml">
6     </asp:XmlDataSource>
7 </form>
8
9 //Advertisement.xml
10 <?xml version="1.0" encoding="utf-8" ?>
11 <Advertisements>
12     <Ad>
13         <ImageUrl>~/img/image1.jpg</ImageUrl>
14         <NavigateUrl>http://www.google.com</NavigateUrl>
15         <Height>100</Height>
16         <Width>250</Width>
17     </Ad>
18     <Ad>
19         <ImageUrl>~/img/image2.jpg</ImageUrl>
20         <NavigateUrl>http://www.youtube.com</NavigateUrl>
21         <Height>100</Height>
22         <Width>250</Width>
23     </Ad>
24 </Advertisements>
```

5. Create an ASP.NET Web Application to demonstrate Global.asax file



```
1 //Global.asax
2 protected void Application_Start(object sender, EventArgs e)
3 {
4     Application["VisitCount"] = 0;
5 }
6 protected void Session_Start(object sender, EventArgs e)
7 {
8     Session["SessionCount"]=0;
9     Application["VisitCount"] = (int)Application["VisitCount"] + 1;
10 }
11
12 //Default.aspx.cs
13 protected void Page_Load(object sender, EventArgs e)
14 {
15     Session["SessionCount"] = (int)Session["SessionCount"] + 1;
16     Response.Write("Visit Count = " + Application["VisitCount"]+"<br>");
17     Response.Write("Session Count = " + Session["SessionCount"] + "<br>");
18 }
```

6. Create an ASP.NET Web Application to demonstrate Session




```
1 //Filename - home.aspx
2 <form id="form1" runat="server">
3     <asp:Label ID="Label1" runat="server" Text="Enter your name: "></asp:Label>
4     <asp:TextBox ID="txtName" runat="server"></asp:TextBox>
5     <asp:Button ID="btnSubmit" runat="server" Text="Submit" OnClick="btnSubmit_Click" />
6     <br />
7     <asp:Label ID="lblWelcome" runat="server" Visible="False"></asp:Label>
8 </form>
9
10
11 //Filename - home.aspx.cs
12 protected void btnSubmit_Click(object sender, EventArgs e)
13 {
14     Session["Name"] = txtName.Text;
15     lblWelcome.Visible = true;
16     if (Session["Name"] != null)
17     {
18         lblWelcome.Text = "Welcome, " + Session["Name"].ToString() + "!";
19     }
20     else
21     {
22         lblWelcome.Text = "Session expired. Please Re-enter your name.";
23     }
24 }
```

7. Create an ASP.NET Web Application to demonstrate Master Page

```
1  //Master Page
2  <body>
3      <form id="form1" runat="server">
4          <div>
5              <h1>This is My Website</h1>
6              <nav>
7                  <a href="Default.aspx">Home</a>
8                  <a href="Default2.aspx">About</a>
9                  <a href="Default3.aspx">Contact</a>
10             </nav>
11         </div>
12         <div>
13             <asp:ContentPlaceHolder ID="contentdemo" runat="server">
14             </asp:ContentPlaceHolder>
15         </div>
16         <div>
17             <h2>ThankYou For Visiting</h2>
18         </div>
19     </form>
20 </body>
21
22 //Contentpage1
23 <asp:Content ID="Content1" ContentPlaceHolderID="contentdemo" Runat="Server">
24     This is Home Page
25 </asp:Content>
26
27 //Contentpage2
28 <asp:Content ID="Content1" ContentPlaceHolderID="contentdemo" Runat="Server">
29     This is About Page
30 </asp:Content>
31
32 //Contentpage3
33 <asp:Content ID="Content1" ContentPlaceHolderID="contentdemo" Runat="Server">
34     This is contact Page
35 </asp:Content>
```

8. Create an ASP.NET Web Application to demonstrate Cookies



```
1 //Filename - home.aspx
2 <form id="form1" runat="server">
3     <asp:Button ID="Button1" runat="server" Text="Create Cookie"
4         onclick="Button1_Click" />
5     <br /><br />
6     <asp:Label ID="Label1" runat="server" Visible="False"></asp:Label>
7     <br /><br />
8     <asp:Button ID="Button2" runat="server" onclick="Button2_Click"
9         Text="Delete Cookie" Visible="False" />
10    <br /><br />
11    <asp:Label ID="Label2" runat="server" Visible="False"></asp:Label>
12 </form>
13
14
15 //Filename - home.aspx.cs
16 protected void Button1_Click(object sender, EventArgs e)
17 {
18     Label1.Visible = true;
19     HttpCookie mycookie = new HttpCookie("Name", "Shabbir");
20     mycookie.Expires = DateTime.Now.AddMinutes(1);
21     Response.Cookies.Add(mycookie);
22     Label1.Text += "Cookie Name = " + mycookie.Value.ToString();
23     Button2.Visible = true;
24     Label2.Text = null;
25 }
26 protected void Button2_Click(object sender, EventArgs e)
27 {
28     Label1.Text = null;
29     Label2.Visible = true;
30     HttpCookie mycookie = Request.Cookies["Name"];
31     mycookie.Expires = DateTime.Now.AddDays(-1);
32     Response.Cookies.Add(mycookie);
33     Label2.Text = "Cookie Deleted";
34
35 }
```

9. Create an ASP.NET Web Application to demonstrate Intrinsic objects



```
1  Filename - home.aspx
2  <form id="form1" runat="server">
3      <asp:Label ID="lblInfo" runat="server" />
4  </form>
5
6
7  Filename - home.aspx.cs
8  protected void Page_Load(object sender, EventArgs e)
9  {
10     // Demonstrating Request Object
11     string browser = Request.Browser.Browser;
12     string ip = Request.UserHostAddress;
13
14     // Demonstrating Response Object
15     Response.Write("Intrinsic Object Demo: ");
16
17     // Demonstrating Session Object
18     Session["Username"] = "Shabbir";
19     string sessionValue = Session["Username"].ToString();
20
21     // Demonstrating Application Object
22     Application["AppName"] = "Intrinsic Demo App";
23     string appValue = Application["AppName"].ToString();
24
25     // Display all results
26     lblInfo.Text = "</b><br/>Browser: " + browser +
27         "<br/>IP Address: " + ip +
28         "<br/>Session Username: " + sessionValue +
29         "<br/>Application Name: " + appValue;
30 }
```