**Creating Custom Control in ASP.NET and use it in simple web application**

**MyCustomControl.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeFile="MyCustomControl.aspx.cs" Inherits="MyCustomControl" %>

<%@ Register Assembly="CustomServerControl" Namespace="CustomServerControl" TagPrefix="cc1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

<cc1:ServerControl1 ID="ServerControl1" runat="server" Text="My First Custom Control" />

</div>

</form>

</body>

</html>

**MyCustomControl.aspx.cs**

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace CustomServerControl

{

[DefaultProperty("Text")]

[ToolboxData("<{0}:ServerControl1 runat=server></{0}:ServerControl1>")]

public class ServerControl1 : WebControl

{

[Bindable(true)]

[Category("Appearance")]

[DefaultValue("")]

[Localizable(true)]

public string Text

{

get

{

String s = (String)ViewState["Text"];

return ((s == null)? "[" + this.ID + "]" : s);

}

set

{

ViewState["Text"] = value;

}

}

protected override void RenderContents(HtmlTextWriter output)

{

output.Write(Text);

}

}

}

**Output:**

