

ASP.NET PRACTICALS (10 TO 24)

10) Create ASP.NET web page that will display Sleeve Items in a list box control. On the selection of display image and cost of item.

11) In the above ASP.NET Web page, all users to add quantity in textbox control(i.e.Readonly)on clickof+&-button controls quantity should be increment & decrement then calculate payment.

.aspx

Take 1 ListBox Control, 1 Image control, 1 Textbox, 2 Button and 2 Labels.

.aspx.cs

```
protected void ListBox1_SelectedIndexChanged(object sender, EventArgs e)
```

```
{
```

```
    TextBox1.Text = "0";
```

```
    Label2.Text = "";
```

```
    string selectedItem = ListBox1.SelectedItem.Text;
```

```
    if (selectedItem == "Book 1")
```

```
    {
```

```
        Image1.ImageUrl = "full.jpg";
```

```
        Label1.Text = "Cost: ₹800";
```

```
        ViewState["Cost"] = 800;
```

```
    }
```

```
    else if (selectedItem == "Book 2")
```

```
    {
```

```
        Image1.ImageUrl = "half.jpg";
```

```
        Label1.Text = "Cost: ₹600";
```

```
        ViewState["Cost"] = 600;
```

```
    }
```

```
    else if (selectedItem == "Book 3")
```

```
    {
```

ASP.NET PRACTICALS (10 TO 24)

10) Create ASP.NET web page that will display Sleeve Items in a list box control. On the selection of display image and cost of item.

11) In the above ASP.NET Web page, all users to add quantity in textbox control(i.e.Readonly)on clickof+&-button controls quantity should be increment & decrement then calculate payment.

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Take 1 ListBox Control, 1 Image control, 1 Textbox, 2 Button and 2 Labels.

.aspx.cs

```
protected void ListBox1_SelectedIndexChanged(object sender, EventArgs e)
```

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{
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```
    TextBox1.Text = "0";
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```
    Label2.Text = "";
```

```
    string selectedItem = ListBox1.SelectedItem.Text;
```

```
    if (selectedItem == "Book 1")
```

```
    {
```

```
        Image1.ImageUrl = "full.jpg";
```

```
        Label1.Text = "Cost: ₹800";
```

```
        ViewState["Cost"] = 800;
```

```
    }
```

```
    else if (selectedItem == "Book 2")
```

```
    {
```

```
        Image1.ImageUrl = "half.jpg";
```

```
        Label1.Text = "Cost: ₹600";
```

```
        ViewState["Cost"] = 600;
```

```
    }
```

```
    else if (selectedItem == "Book 3")
```

```
    {
```

```
        Image1.ImageUrl = "sleeveless.jpg";
        Label1.Text = "Cost: ₹500";
        ViewState["Cost"] = 500;
    }
}
protected void Button1_Click(object sender, EventArgs e)
{
    int quantity = Convert.ToInt32(TextBox1.Text);
    quantity++;
    TextBox1.Text = quantity.ToString();

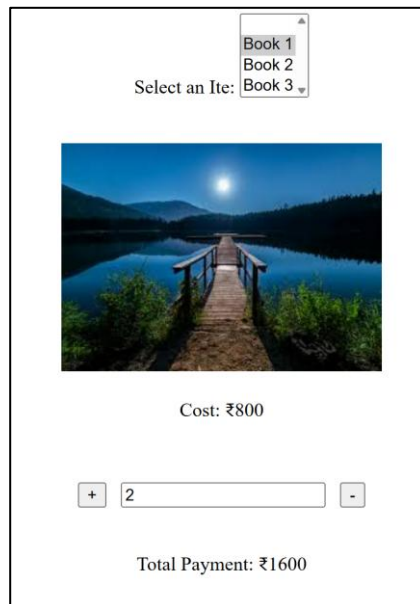
    CalculateTotal();
}
protected void Button2_Click(object sender, EventArgs e)
{
    int quantity = Convert.ToInt32(TextBox1.Text);
    if (quantity > 0)
    {
        quantity--;
        TextBox1.Text = quantity.ToString();
    }
    CalculateTotal();
}
private void CalculateTotal()
{
    if (ViewState["Cost"] != null)
    {
        int cost = Convert.ToInt32(ViewState["Cost"]);
        int qty = Convert.ToInt32(TextBox1.Text);
        int total = cost * qty;
```

```

        Label2.Text = "Total Payment: ₹" + total.ToString();
    }
}

```

Output



13) Write an asp.net web page that will make student exam details from exam form and generate fee receipt. Exam details: name, exam type year, sem subject's fees.

.aspx

Take 3 TextBoxes, 2 DropDownlists, 1 Button, 1 Panel and 1 Label.

.aspx.cs

```

protected void Button1_Click(object sender, EventArgs e)
{
    string name = TextBox1.Text;
    string examType = DropDownList1.SelectedValue;
    string semester = DropDownList2.SelectedValue;
    int subjects = Convert.ToInt32(TextBox2.Text);
    int feePerSubject = Convert.ToInt32(TextBox3.Text);
    int totalFee = subjects * feePerSubject;

    Label1.Text = $"<b>Name:</b> {name}<br />" +

```

```

$"<b>Exam Type:</b> {examType}<br />" +
$"<b>Semester:</b> {semester}<br />" +
$"<b>No. of Subjects:</b> {subjects}<br />" +
$"<b>Fee per Subject:</b> ₹{feePerSubject}<br />" +
$"<b>Total Exam Fee:</b> <span style='color:green;'>₹{totalFee}</span>";

```

Panel1.Visible = true;

Output

Name: <input type="text" value="John"/> Select Exam Type: <input type="text" value="Regular"/> Sem: <input type="text" value="Sem 3"/> No. of Subjects: <input type="text" value="3"/> Fees per Subjects: <input type="text" value="1000"/> <div style="text-align: center; margin-top: 10px;"> <input type="button" value="Button"/> </div>
Exam Fee Receipt Name: John Exam Type: Regular Semester: Sem 3 No. of Subjects: 3 Fee per Subject: ₹1000 Total Exam Fee: ₹3000

14) Create ASP.NET Webpage that will display data into List box and dropdown list control on button click event using c# code.

.aspx

Take 1 ListBox, 1 DropDownList and 1 Button.

.aspx.cs

```

protected void Button1_Click(object sender, EventArgs e)
{
    List<string> items = new List<string> { "Apple", "Banana", "Cherry", "Date", "Mango" };

    // Bind to ListBox
    ListBox1.Items.Clear();

```

```

        ListBox1.DataSource = items;

        ListBox1.DataBind();

        // Bind to DropDownList
        DropDownList1.Items.Clear();
        DropDownList1.DataSource = items;
        DropDownList1.DataBind();
    }
}

```

Output

The image displays two side-by-side screenshots of a web form. The left screenshot shows an empty ListBox and a DropDownList with a dropdown arrow. The right screenshot shows the ListBox populated with 'Apple', 'Banana', 'Cherry', and 'Date', and the DropDownList showing 'Apple' as the selected item. Both screenshots include a 'Click Me' button at the bottom.

15 to 20) ASP.Net ALL Validations.

.aspx

Take 6 TextBoxes and 1 Button.

The image shows a web form with 6 text boxes and 1 button. Each text box has a red error message next to it: 'User Name is Required', 'Enter Password', 'Password Doesn't Match', 'Enter Valid Email ID', 'Invalid Number', and 'Age must be between 18 to 45'. Below the text boxes is a section titled 'Following Validation Summary' with two bullet points: 'Error message 1.' and 'Error message 2.'. At the bottom is a button labeled 'Button'.

Properties that need to be set for each Validator is ControlToValidate, ErrorMessage, Type, ValidationExpression.

.aspx.cs

```
protected void Page_Load(object sender, EventArgs e)
{
    RangeValidator1.MinimumValue = DateTime.Now.AddYears(-45).ToShortDateString();
    RangeValidator1.MaximumValue = DateTime.Now.AddYears(-18).ToShortDateString();
}

protected void CustomValidator1_ServerValidate(object source, ServerValidateEventArgs args)
{
    int len = args.Value.Length;
    if ( len >=8 && len <=15)
        args.IsValid = true;
    else
    {
    }
    args.IsValid = false;
}

protected void Button1_Click(object sender, EventArgs e)
{
    Response.Write("Form Submitted Sucessfully: " + TextBox1.Text);
}
```

Output

User Name:	<input type="text"/>	User Name is Required
Password:	<input type="password" value="12"/>	
Confirm Password:	<input type="password" value="123"/>	Password Doesn't Match
Email ID:	<input type="text" value="abc"/>	Enter Valid Email ID
Mobile Number:	<input type="text" value="90877"/>	Invalid Number
DOB:	<input type="text" value="24/07/2024"/>	Age must be between 18 to 45

Following Validation Summary

- User Name is Required
- CompareValidator
- RegularExpressionValidator
- RegularExpressionValidator
- RangeValidator

21) Create an ASP.NET Webpage that will take username and password from the user and create session a session for username and display it on a webpage.

.aspx

Take 1 TextBox, 1 Button and 1 Label.

.aspx.cs

```
protected void btnSubmit_Click(object sender, EventArgs e)
```

```
{
```

```
    Session["UserName"] = txtUserName.Text.ToString();
```

```
    Response.Redirect("Home.aspx");
```

```
}
```

Home.aspx

Take 1 Label

Home.aspx.cs

```
protected void Page_Load(object sender, EventArgs e)
```

```
{
```

```
    if (Session["UserName"] != null && Session["UserName"] != "")
```

```
{
```



```

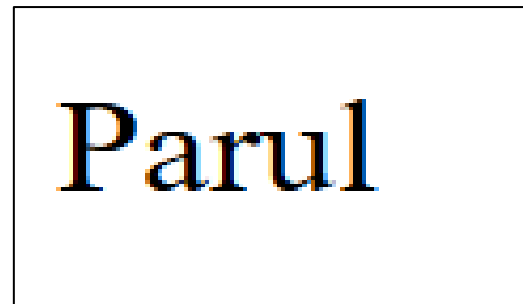
        lblUserName.InnerText = Session["UserName"].ToString();
    }
    else
    {
        lblUserName.InnerText = "Anonymous User";
    }
}

```

Output



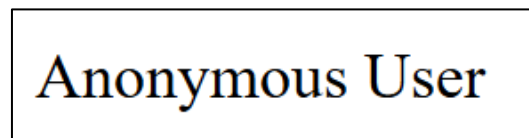
A screenshot of a web form. It features a text input field containing the name 'Parul'. Below the text field is a button labeled 'Go to Home Page'.



A screenshot showing the output of the web page, which displays the name 'Parul' in a large, stylized font.



A screenshot of a web form. It features an empty text input field. Below the text field is a button labeled 'Go to Home Page'.



A screenshot showing the output of the web page, which displays the text 'Anonymous User' in a large, stylized font.

22) Create an ASP.NETwebpage that will make use of viewstate state management technique

.aspx

Tale 1 TextBox, 1 Button and 1 Label.

.aspx.cs

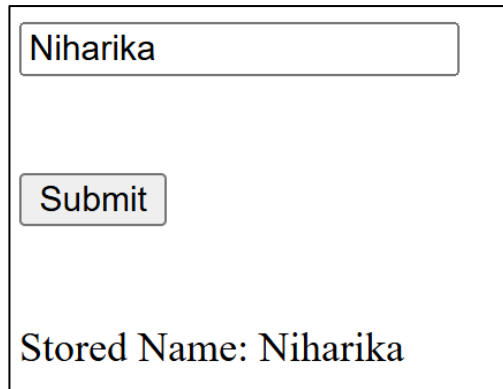
```

protected void btnSubmit_Click(object sender, EventArgs e)
{
    // Store value in ViewState
    ViewState["UserName"] = txtName.Text;
}

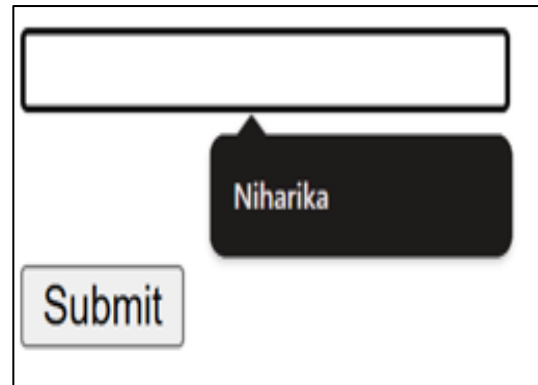
```

```
// Retrieve from ViewState  
lblResult.Text = "Stored Name: " + ViewState["UserName"].ToString();  
}
```

Output



A screenshot of a web form. At the top is a text input field containing the name "Niharika". Below the input field is a "Submit" button. At the bottom of the form, the text "Stored Name: Niharika" is displayed.



A screenshot of the same web form after the "Submit" button has been clicked. The input field is now empty. A dark tooltip box with the name "Niharika" is positioned over the input field. The "Submit" button and the text "Stored Name: Niharika" remain visible at the bottom.

23) Create ASP.NET web page that will display products from the product master table. 28. Create a webpage that will show full details of the product on click.

.aspx

```
<div>  
    <a href="WebForm1.aspx?name=Parul&city=Vadodara">Click to View Profile</a>  
</div>
```

.aspx.cs

```
protected void Page_Load(object sender, EventArgs e)  
{  
  
    string name = Request.QueryString["name"];  
    string city = Request.QueryString["city"];  
    Response.Write("Name: " + name + "<br>City: " + city);  
}
```

Output

Name:

City:

[Click to View Profile](#)

Name: Parul

City: Vadodara

[Click to View Profile](#)

24) Create ASP.NET web page that will display products from the product master table. 28. Create a webpage that will show full details of the product on click.

.aspx

Take 2 TextBox, 2 Button and 1 Label.

.aspx.cs

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

```
{
```

```
    Response.Cookies["name"].Value = TextBox1.Text;
```

```
    Response.Cookies["name"].Expires = DateTime.Now.AddSeconds(20);
```

```
    Label1.Text = "Cookie Created";
```

```
    TextBox1.Text = "";
```

```
}
```

```
protected void Button2_Click(object sender, EventArgs e)
```

```
{
```

```
    if (Request.Cookies["name"] == null)
```

```
    {
```

```
        TextBox2.Text = "No cookie found";
```

```
    }
```

```
    else
```

```
    {
```

```
        TextBox2.Text = Request.Cookies["name"].Value;
```

```
    }
```

```
}
```

Output

Create Cookie	Parul University	Cookie Created
Retrieve Cookie		

Create Cookie		Cookie Created
Retrieve Cookie	Parul University	

```
        Image1.ImageUrl = "sleeveless.jpg";
        Label1.Text = "Cost: ₹500";
        ViewState["Cost"] = 500;
    }
}
protected void Button1_Click(object sender, EventArgs e)
{
    int quantity = Convert.ToInt32(TextBox1.Text);
    quantity++;
    TextBox1.Text = quantity.ToString();

    CalculateTotal();
}
protected void Button2_Click(object sender, EventArgs e)
{
    int quantity = Convert.ToInt32(TextBox1.Text);
    if (quantity > 0)
    {
        quantity--;
        TextBox1.Text = quantity.ToString();
    }
    CalculateTotal();
}
private void CalculateTotal()
{
    if (ViewState["Cost"] != null)
    {
        int cost = Convert.ToInt32(ViewState["Cost"]);
        int qty = Convert.ToInt32(TextBox1.Text);
        int total = cost * qty;
```

```

        Label2.Text = "Total Payment: ₹" + total.ToString();
    }
}

```

Output

13) Write an asp.net web page that will make student exam details from exam form and generate fee receipt. Exam details: name, exam type year, sem subject's fees.

.aspx

Take 3 TextBoxes, 2 DropDownlists, 1 Button, 1 Panel and 1 Label.

.aspx.cs

```

protected void Button1_Click(object sender, EventArgs e)
{
    string name = TextBox1.Text;
    string examType = DropDownList1.SelectedValue;
    string semester = DropDownList2.SelectedValue;
    int subjects = Convert.ToInt32(TextBox2.Text);
    int feePerSubject = Convert.ToInt32(TextBox3.Text);
    int totalFee = subjects * feePerSubject;

    Label1.Text = $"<b>Name:</b> {name}<br />" +

```

```

$"<b>Exam Type:</b> {examType}<br />" +
$"<b>Semester:</b> {semester}<br />" +
$"<b>No. of Subjects:</b> {subjects}<br />" +
$"<b>Fee per Subject:</b> ₹{feePerSubject}<br />" +
$"<b>Total Exam Fee:</b> <span style='color:green;'>₹{totalFee}</span>";

```

Panel1.Visible = true;

Output

Name: <input type="text" value="John"/> Select Exam Type: <input type="text" value="Regular"/> Sem: <input type="text" value="Sem 3"/> No. of Subjects: <input type="text" value="3"/> Fees per Subjects: <input type="text" value="1000"/> <input type="button" value="Button"/>
<p align="center">Exam Fee Receipt</p> <p align="center"> Name: John Exam Type: Regular Semester: Sem 3 No. of Subjects: 3 Fee per Subject: ₹1000 Total Exam Fee: ₹3000 </p>

14) Create ASP.NET Webpage that will display data into List box and dropdown list control on button click event using c# code.

.aspx

Take 1 ListBox, 1 DropDownList and 1 Button.

.aspx.cs

```

protected void Button1_Click(object sender, EventArgs e)
{
    List<string> items = new List<string> { "Apple", "Banana", "Cherry", "Date", "Mango" };

    // Bind to ListBox
    ListBox1.Items.Clear();

```

```

        ListBox1.DataSource = items;

        ListBox1.DataBind();

        // Bind to DropDownList
        DropDownList1.Items.Clear();

        DropDownList1.DataSource = items;

        DropDownList1.DataBind();
    }
}

```

Output

The image displays two side-by-side screenshots of a web form. Each screenshot contains a label 'ListBox:' followed by a vertical list box, a label 'DropDownList:' followed by a dropdown menu, and a 'Click Me' button at the bottom.

- Left Screenshot:** The 'ListBox' is empty. The 'DropDownList' is also empty, showing a downward arrow. The 'Click Me' button is visible.
- Right Screenshot:** After clicking the 'Click Me' button, the 'ListBox' is populated with four items: 'Apple', 'Banana', 'Cherry', and 'Date'. The 'DropDownList' now shows 'Apple' as the selected item. The 'Click Me' button remains visible.

15 to 20) ASP.Net ALL Validations.

.aspx

Take 6 TextBoxes and 1 Button.

The image shows a web form with the following fields and validation messages:

- User Name:** User Name is Required
- Password:** Enter Password
- Confirm Password:** Password Doesn't Match
- Email ID:** Enter Valid Email ID
- Mobile Number:** Invalid Number
- DOB:** Age must be between 18 to 45

Below the fields, there is a section titled 'Following Validation Summary' with a bulleted list:

- Error message 1.
- Error message 2.

At the bottom left, there is a 'Button'.

Properties that need to be set for each Validator is ControlToValidate, ErrorMessage, Type, ValidationExpression.

.aspx.cs

```
protected void Page_Load(object sender, EventArgs e)
{
    RangeValidator1.MinimumValue = DateTime.Now.AddYears(-45).ToShortDateString();
    RangeValidator1.MaximumValue = DateTime.Now.AddYears(-18).ToShortDateString();
}

protected void CustomValidator1_ServerValidate(object source, ServerValidateEventArgs args)
{
    int len = args.Value.Length;
    if ( len >=8 && len <=15)
        args.IsValid = true;
    else
    {
    }
    args.IsValid = false;
}

protected void Button1_Click(object sender, EventArgs e)
{
    Response.Write("Form Submitted Sucessfully: " + TextBox1.Text);
}
```

Output

User Name:	<input type="text"/>	User Name is Required
Password:	<input type="password" value="12"/>	
Confirm Password:	<input type="password" value="123"/>	Password Doesn't Match
Email ID:	<input type="text" value="abc"/>	Enter Valid Email ID
Mobile Number:	<input type="text" value="90877"/>	Invalid Number
DOB:	<input type="text" value="24/07/2024"/>	Age must be between 18 to 45

Following Validation Summary

- User Name is Required
- CompareValidator
- RegularExpressionValidator
- RegularExpressionValidator
- RangeValidator

Button

21) Create an ASP.NET Webpage that will take username and password from the user and create session a session for username and display it on a webpage.

.aspx

Take 1 TextBox, 1 Button and 1 Label.

.aspx.cs

```
protected void btnSubmit_Click(object sender, EventArgs e)
{
    Session["UserName"] = txtUserName.Text.ToString();
    Response.Redirect("Home.aspx");
}
```

Home.aspx

Take 1 Label

Home.aspx.cs

```
protected void Page_Load(object sender, EventArgs e)
{
    if (Session["UserName"] != null && Session["UserName"] != "")
    {

```

```

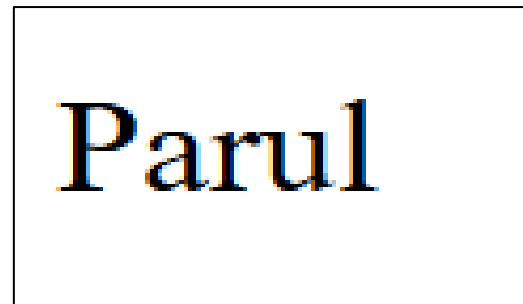
        lblUserName.InnerText = Session["UserName"].ToString();
    }
    else
    {
        lblUserName.InnerText = "Anonymous User";
    }
}

```

Output



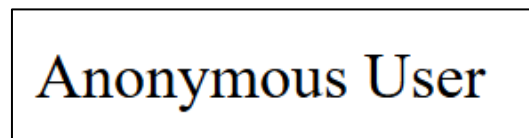
A screenshot of a web form. It features a text input field containing the name 'Parul'. Below the text field is a button labeled 'Go to Home Page'.



The output of the web page, displaying the name 'Parul' in a large, stylized font.



A screenshot of a web form. It features an empty text input field. Below the text field is a button labeled 'Go to Home Page'.



The output of the web page, displaying the text 'Anonymous User' in a large, stylized font.

22) Create an ASP.NETwebpage that will make use of viewstate state management technique

.aspx

Tale 1 TextBox, 1 Button and 1 Label.

.aspx.cs

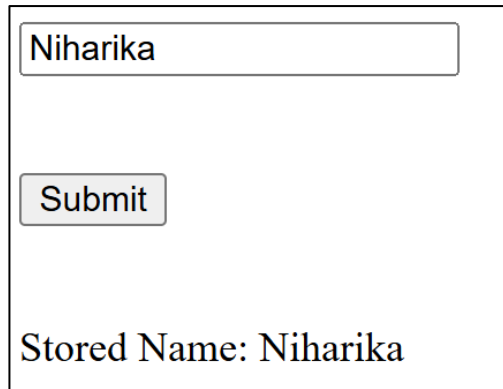
```

protected void btnSubmit_Click(object sender, EventArgs e)
{
    // Store value in ViewState
    ViewState["UserName"] = txtName.Text;
}

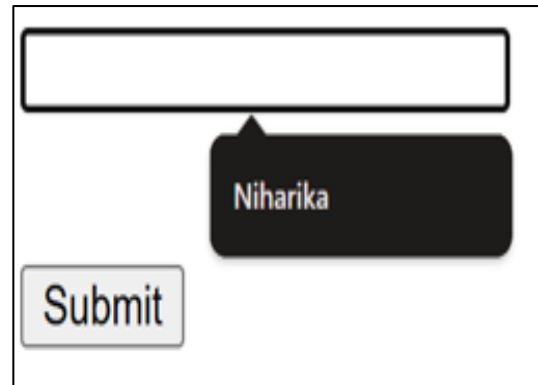
```

```
// Retrieve from ViewState  
lblResult.Text = "Stored Name: " + ViewState["UserName"].ToString();  
}
```

Output



A screenshot of a web form. At the top is a text input field containing the name "Niharika". Below the input field is a "Submit" button. At the bottom of the form, the text "Stored Name: Niharika" is displayed.



A screenshot of the same web form after the "Submit" button has been clicked. The input field is now empty. A dark tooltip box with the name "Niharika" inside is positioned over the input field. The "Submit" button and the text "Stored Name: Niharika" remain visible at the bottom.

23) Create ASP.NET web page that will display products from the product master table. 28. Create a webpage that will show full details of the product on click.

.aspx

```
<div>  
    <a href="WebForm1.aspx?name=Parul&city=Vadodara">Click to View Profile</a>  
</div>
```

.aspx.cs

```
protected void Page_Load(object sender, EventArgs e)  
{  
  
    string name = Request.QueryString["name"];  
    string city = Request.QueryString["city"];  
    Response.Write("Name: " + name + "<br>City: " + city);  
}
```

Output

Name:

City:

[Click to View Profile](#)

Name: Parul

City: Vadodara

[Click to View Profile](#)

24) Create ASP.NET web page that will display products from the product master table. 28. Create a webpage that will show full details of the product on click.

.aspx

Take 2 TextBox, 2 Button and 1 Label.

.aspx.cs

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

```
{
```

```
    Response.Cookies["name"].Value = TextBox1.Text;
```

```
    Response.Cookies["name"].Expires = DateTime.Now.AddSeconds(20);
```

```
    Label1.Text = "Cookie Created";
```

```
    TextBox1.Text = "";
```

```
}
```

```
protected void Button2_Click(object sender, EventArgs e)
```

```
{
```

```
    if (Request.Cookies["name"] == null)
```

```
    {
```

```
        TextBox2.Text = "No cookie found";
```

```
    }
```

```
    else
```

```
    {
```

```
        TextBox2.Text = Request.Cookies["name"].Value;
```

```
    }
```

```
}
```

Output

Create Cookie	Parul University	Cookie Created
Retrieve Cookie		

Create Cookie		Cookie Created
Retrieve Cookie	Parul University	