**PRACTICAL NO.07**

**Write the program for the following:**

**a. Create a web application to demonstrate the use of different types of Cookies.**

**CODE:**

**ASPX CODE:**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="cookiespractical9.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

<style type="text/css">

.auto-style1 {

position: absolute;

top: 50px;

left: 303px;

z-index: 1;

height: 42px;

width: 314px;

}

.auto-style2 {

height: 364px;

}

.auto-style3 {

position: absolute;

top: 151px;

left: 330px;

z-index: 1;

}

.auto-style4 {

position: absolute;

top: 210px;

left: 324px;

z-index: 1;

}

.auto-style5 {

position: absolute;

top: 154px;

left: 454px;

z-index: 1;

}

.auto-style6 {

position: absolute;

top: 207px;

left: 454px;

z-index: 1;

}

.auto-style7 {

position: absolute;

top: 273px;

left: 408px;

z-index: 1;

}

</style>

</head>

<body>

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

<div class="auto-style2">

<asp:Label ID="Label1" runat="server" BorderStyle="Solid" CssClass="auto-style1" Font-Bold="True" Font-Size="XX-Large" Text="Cokkies Management"></asp:Label>

<asp:Label ID="Label2" runat="server" CssClass="auto-style3" Text="username :"></asp:Label>

<asp:Button ID="Button1" runat="server" CssClass="auto-style7" OnClick="Button1\_Click" Text="login" />

<asp:Label ID="Label3" runat="server" CssClass="auto-style4" Text="Password : "></asp:Label>

<asp:TextBox ID="TextBox1" runat="server" BorderStyle="Solid" CssClass="auto-style5"></asp:TextBox>

<asp:TextBox ID="TextBox2" runat="server" BorderStyle="Solid" CssClass="auto-style6"></asp:TextBox>

</div>

</form>

</body>

</html>

**C# CODE:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace cookiespractical9

{

public partial class WebForm1 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

HttpCookie obj = new HttpCookie("User");

obj["Username"] = TextBox1.Text;

obj["Password"] = TextBox2.Text;

obj.Expires = DateTime.Now.AddSeconds(10);

Response.Cookies.Add(obj);

Response.Redirect("WebForm2.aspx");

}

}

}

**ASPX CODE:(Redirect)**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs" Inherits="cookiespractical9.WebForm2" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

<style type="text/css">

.auto-style1 {

position: absolute;

top: 155px;

left: 204px;

z-index: 1;

}

.auto-style2 {

height: 336px;

}

.auto-style3 {

position: absolute;

top: 240px;

left: 386px;

z-index: 1;

}

.auto-style4 {

position: absolute;

top: 290px;

left: 385px;

z-index: 1;

height: 17px;

}

</style>

</head>

<body style="height: 327px">

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

<div class="auto-style2">

<asp:Button ID="Button1" runat="server" CssClass="auto-style1" OnClick="Button1\_Click" Text="show info" />

<asp:Label ID="Label1" runat="server" CssClass="auto-style3"></asp:Label>

<asp:Label ID="Label2" runat="server" CssClass="auto-style4"></asp:Label>

</div>

</form>

</body>

</html>

**C# CODE:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace cookiespractical9

{

public partial class WebForm2 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

HttpCookie data = Request.Cookies["User"];

String datax = data["Username"].ToString();

String datax2 = data["Password"].ToString();

if (data != null)

{

Label1.Text = "Username : " + datax + "<br>" + "Password : " + datax2;

}

else

{

Label2.Text = "Cookies are expired";

}

}

}

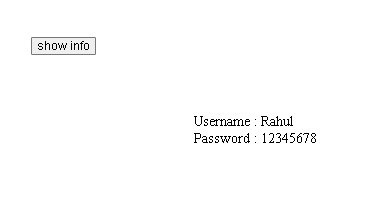
}

**OUTPUT:**

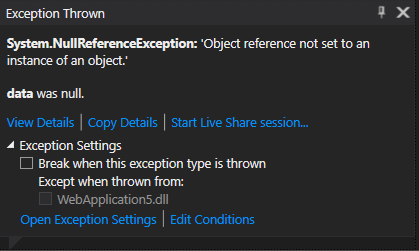
**Storing Cookie:**



**Retriving Cookie:**



**Expiring Cookie:**



**b. Create a web application to demonstrate Form Security and Windows Security with proper Authentication and Authorization properties.**

**CODE:**

**ASPX CODE:**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm12.aspx.cs" Inherits="WebApplication5.WebForm12" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

<style type="text/css">

.auto-style1 {

position: absolute;

top: 26px;

left: 456px;

z-index: 1;

width: 104px;

}

.auto-style2 {

position: absolute;

top: 142px;

left: 342px;

z-index: 1;

}

.auto-style3 {

position: absolute;

top: 211px;

left: 343px;

z-index: 1;

width: 67px;

}

.auto-style4 {

position: absolute;

top: 142px;

left: 458px;

z-index: 1;

}

.auto-style5 {

position: absolute;

top: 211px;

left: 459px;

z-index: 1;

}

.auto-style6 {

position: absolute;

top: 173px;

left: 673px;

z-index: 1;

width: 351px;

}

.auto-style7 {

position: absolute;

top: 305px;

left: 463px;

z-index: 1;

width: 142px;

}

</style>

</head>

<body>

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

<div>

<asp:Label ID="Label1" runat="server" CssClass="auto-style2" Text="Username:"></asp:Label>

<asp:Label ID="Label2" runat="server" CssClass="auto-style3" Text="Password:"></asp:Label>

<asp:Label ID="Label3" runat="server" BorderStyle="Solid" CssClass="auto-style1" Font-Bold="True" Font-Size="Larger" Text="Login"></asp:Label>

</div>

<asp:TextBox ID="TextBox1" runat="server" CssClass="auto-style4"></asp:TextBox>

<asp:TextBox ID="TextBox2" runat="server" CssClass="auto-style5" TextMode="Password"></asp:TextBox>

<asp:Label ID="Label4" runat="server" CssClass="auto-style6" Enabled="False"></asp:Label>

<asp:Button ID="Button1" runat="server" CssClass="auto-style7" OnClick="Button1\_Click" Text="Submit" />

</form>

</body>

</html>

**C#CODE:**

using System;

using System.Web.Security;

namespace WebApplication5

{

public partial class WebForm12 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

string uname = TextBox1.Text;

string pass = TextBox2.Text;

if (FormsAuthentication.Authenticate(uname, pass))

{

FormsAuthentication.RedirectFromLoginPage(uname, false);

}

else

{

Label4.Text = "Login Details are Invalid";

}

}

}

}

**Web.Config :**

<?xml version="1.0" encoding="utf-8"?>

<!--

For more information on how to configure your ASP.NET application, please visit

https://go.microsoft.com/fwlink/?LinkId=169433

-->

<configuration>

<appSettings>

<add key="ValidationSettings:UnobtrusiveValidationMode" value="None" />

</appSettings>

<system.web>

<compilation debug="true" targetFramework="4.5" />

<httpRuntime targetFramework="4.5" />

<authentication mode="Forms">

<forms loginUrl="WebForm12.aspx" defaultUrl="WebForm13.aspx">

<credentials passwordFormat="Clear">

<user name="Admin" password="The World"/>

<user name="Lucifer" password="King"/>

</credentials>

</forms>

</authentication>

<authorization>

<allow users="Admin"/>

<allow users="Lucifer"/>

<deny users="?"/>

</authorization>

</system.web>

<system.codedom>

<compilers>

<compiler language="c#;cs;csharp" extension=".cs" type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.CSharpCodeProvider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.1.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35" warningLevel="4" compilerOptions="/langversion:6 /nowarn:1659;1699;1701" />

<compiler language="vb;vbs;visualbasic;vbscript" extension=".vb" type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.VBCodeProvider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.1.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35" warningLevel="4" compilerOptions="/langversion:14 /nowarn:41008 /define:\_MYTYPE=\&quot;Web\&quot; /optionInfer+" />

</compilers>

</system.codedom>

</configuration>

**OUTPUT:**

**Authentication and Authorization:**

