

Name: Aryan Yadav

Class: SYIT

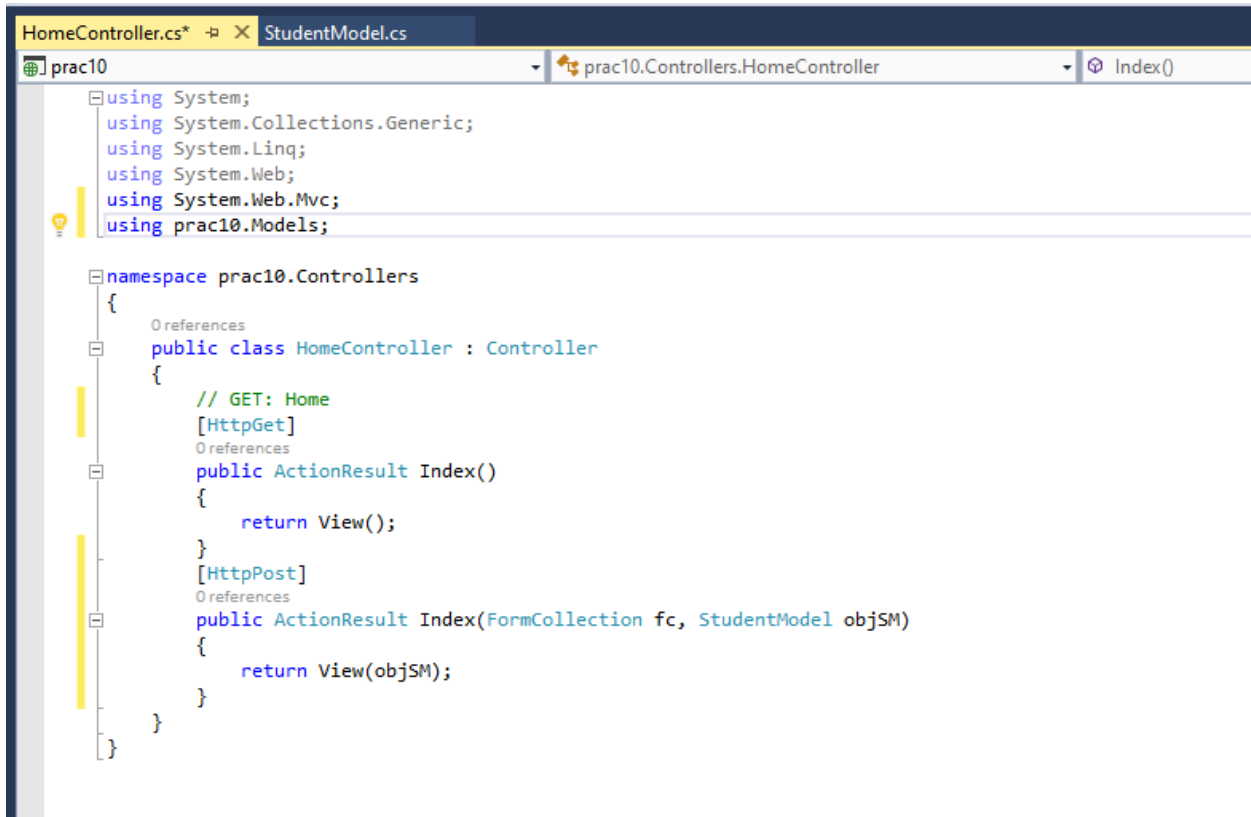
Subject: ASP.net

Date: 17th February 2024

Practical 10

Aim: Implementing state management in MVC applications

HomeController.cs



```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
using prac10.Models;

namespace prac10.Controllers
{
    public class HomeController : Controller
    {
        // GET: Home
        [HttpGet]
        public ActionResult Index()
        {
            return View();
        }
        [HttpPost]
        public ActionResult Index(FormCollection fc, StudentModel objSM)
        {
            return View(objSM);
        }
    }
}
```

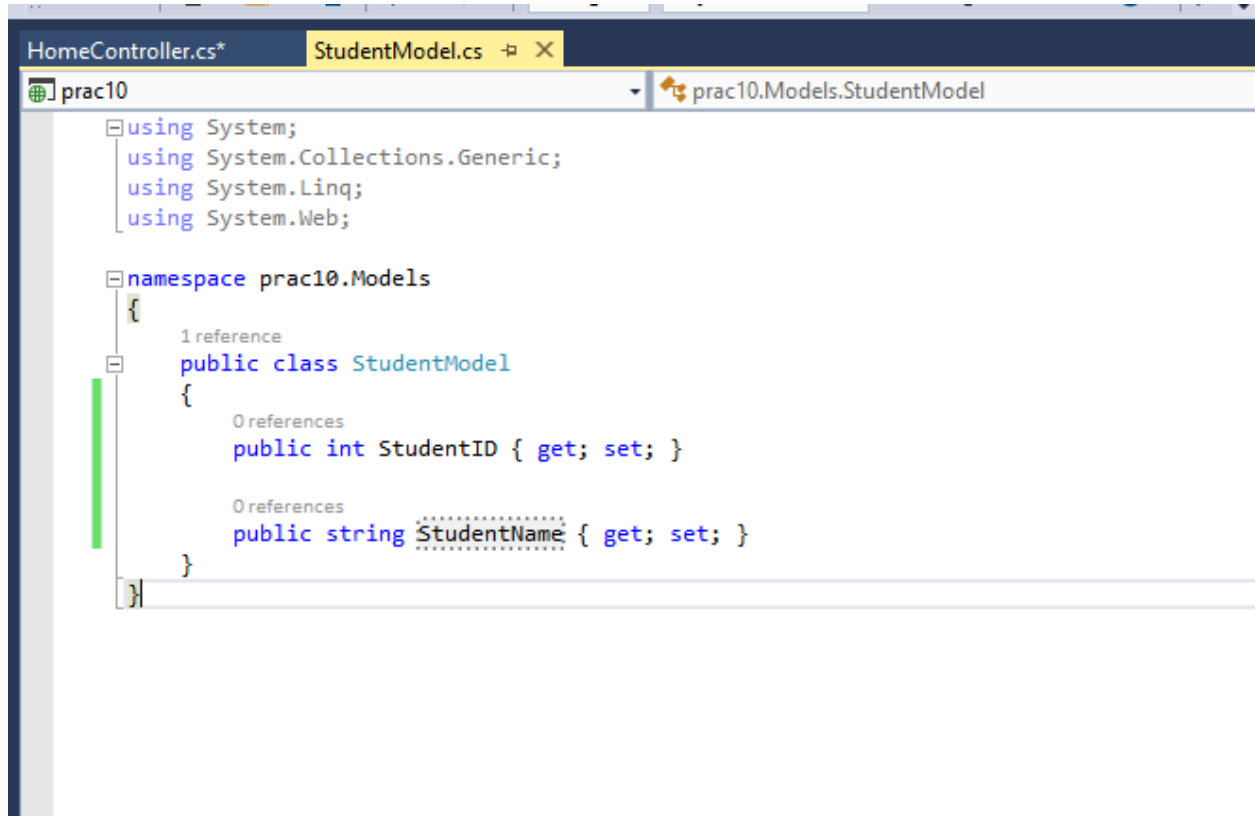
Name: Aryan Yadav

Class: SYIT

Subject: ASP.net

Date: 17th February 2024

StudentModel.cs



```
HomeController.cs* StudentModel.cs -p X
prac10
  prc10.Models.StudentModel
    using System;
    using System.Collections.Generic;
    using System.Linq;
    using System.Web;

    namespace prac10.Models
    {
        1 reference
        public class StudentModel
        {
            0 references
            public int StudentID { get; set; }

            0 references
            public string StudentName { get; set; }
        }
    }
```

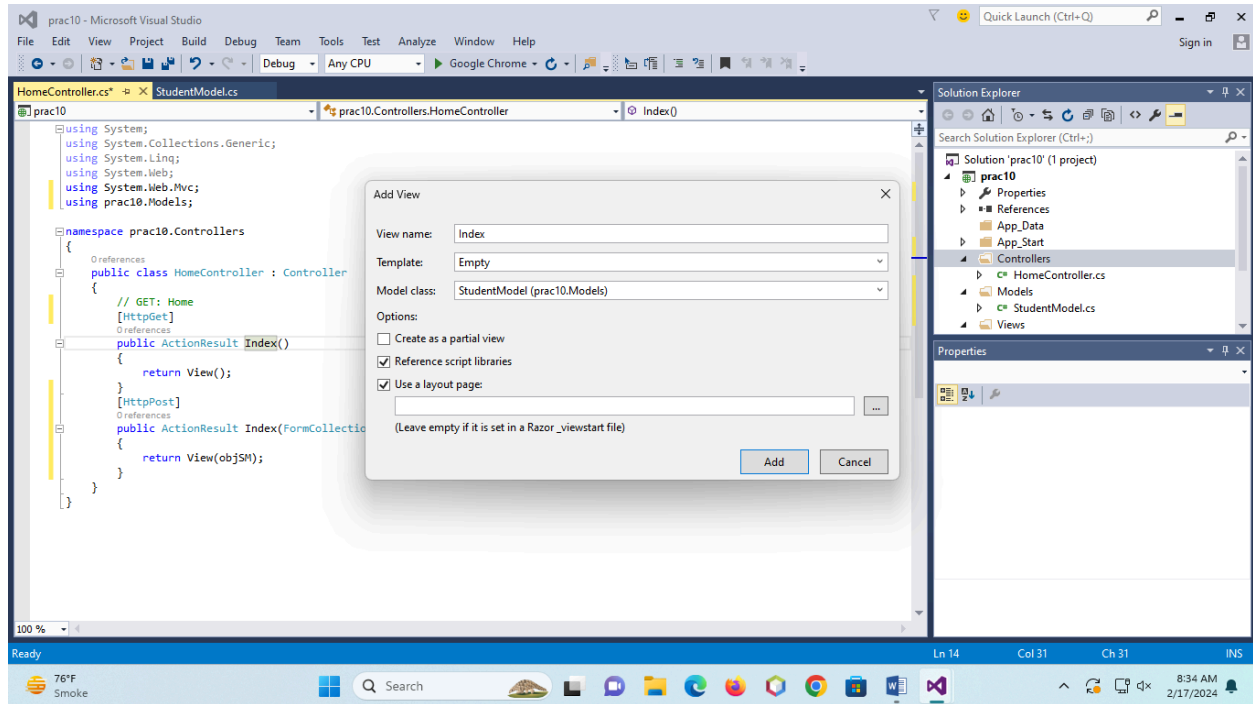
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Adding View to application



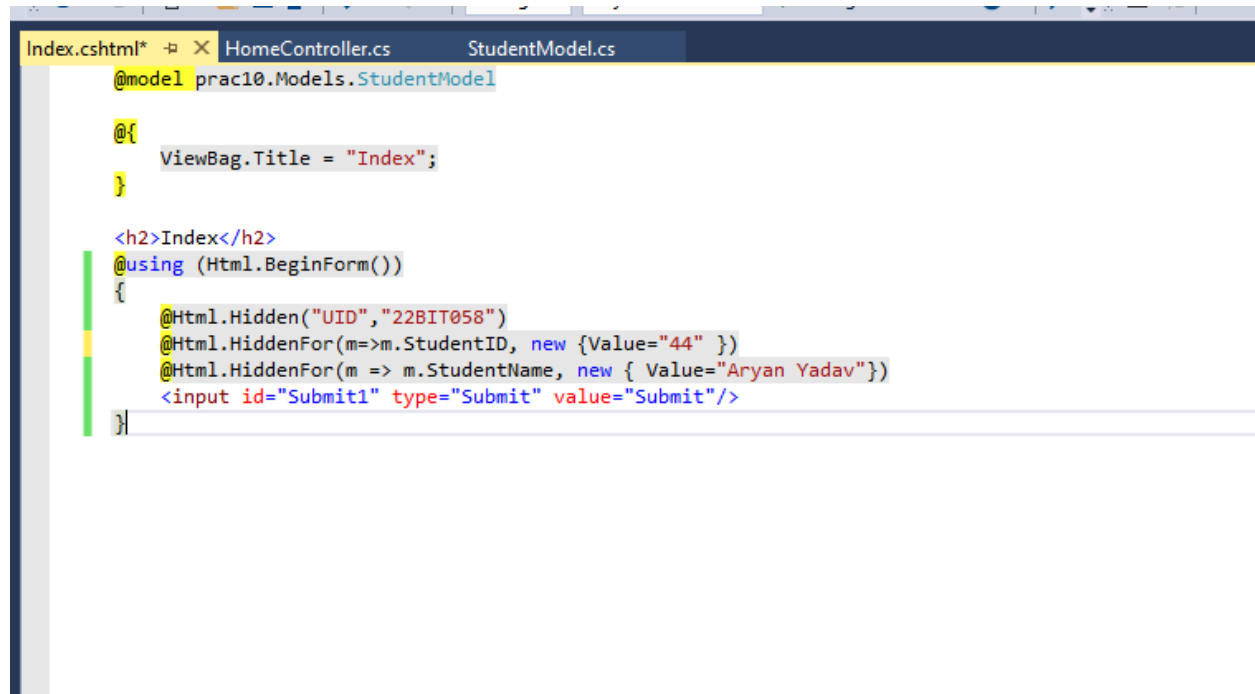
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Index.cshtml



```
Index.cshtml*  HomeController.cs  StudentModel.cs
@model prac10.Models.StudentModel

@{
    ViewBag.Title = "Index";
}

<h2>Index</h2>
@using (Html.BeginForm())
{
    @Html.Hidden("UID", "22BIT058")
    @Html.HiddenFor(m => m.StudentID, new { Value = "44" })
    @Html.HiddenFor(m => m.StudentName, new { Value = "Aryan Yadav" })
    <input id="Submit1" type="Submit" value="Submit"/>
}
```

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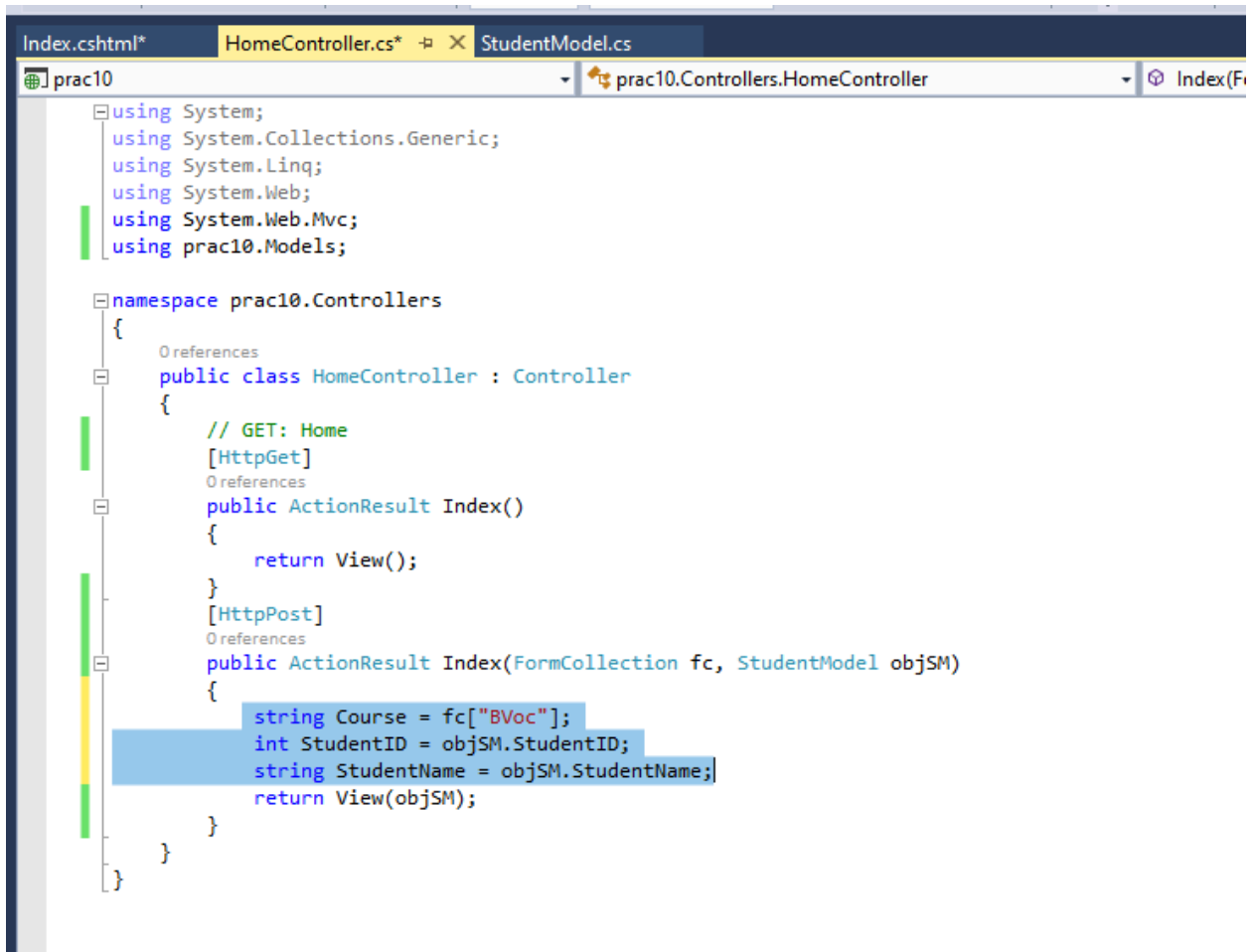
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Reading Hidden Field value in Controller

HomeController.cs



```
Index.cshtml*  HomeController.cs*  StudentModel.cs
prac10  prac10.Controllers.HomeController  Index(F
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
using prac10.Models;

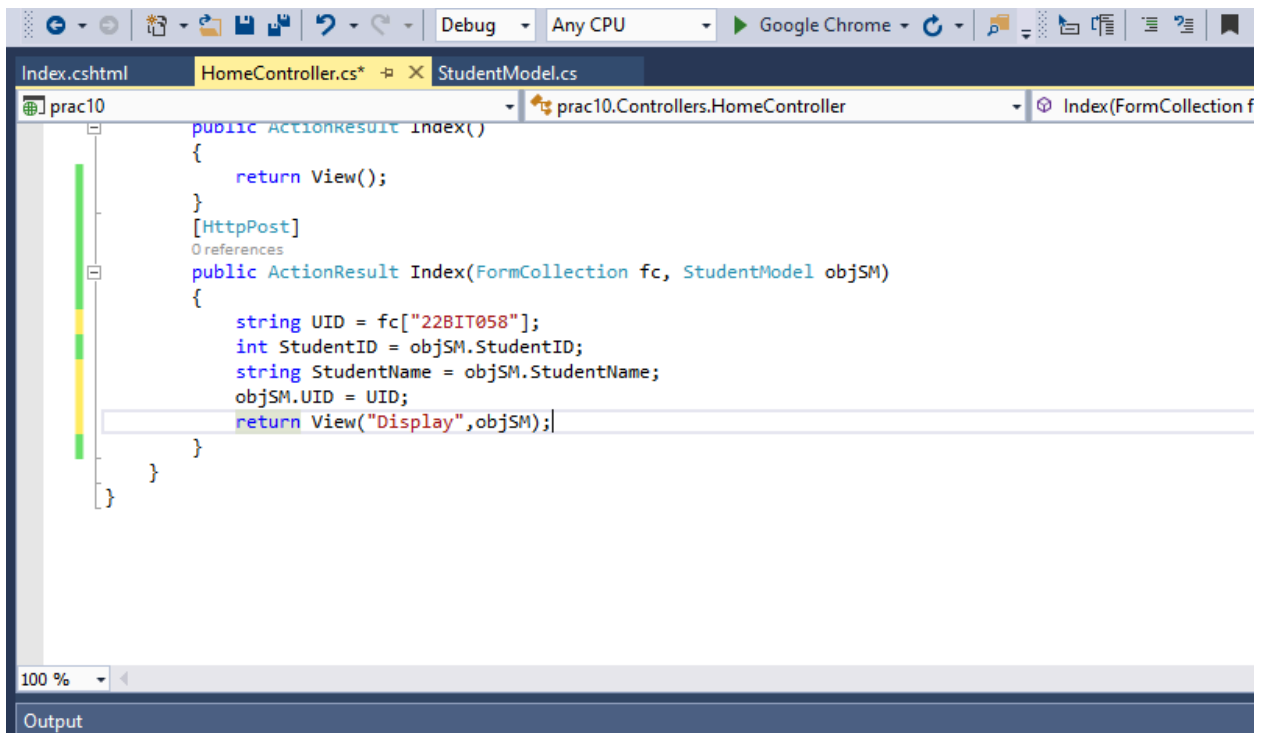
namespace prac10.Controllers
{
    0 references
    public class HomeController : Controller
    {
        // GET: Home
        [HttpGet]
        0 references
        public ActionResult Index()
        {
            return View();
        }
        [HttpPost]
        0 references
        public ActionResult Index(FormCollection fc, StudentModel objSM)
        {
            string Course = fc["BVoc"];
            int StudentID = objSM.StudentID;
            string StudentName = objSM.StudentName;
            return View(objSM);
        }
    }
}
```

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```
Index.cshtml | HomeController.cs* | StudentModel.cs
prac10 | prac10.Controllers.HomeController | Index(FormCollection f
public ActionResult Index()
{
    return View();
}
[HttpPost]
0 references
public ActionResult Index(FormCollection fc, StudentModel objSM)
{
    string UID = fc["22BIT058"];
    int StudentID = objSM.StudentID;
    string StudentName = objSM.StudentName;
    objSM.UID = UID;
    return View("Display", objSM);
}
}
```

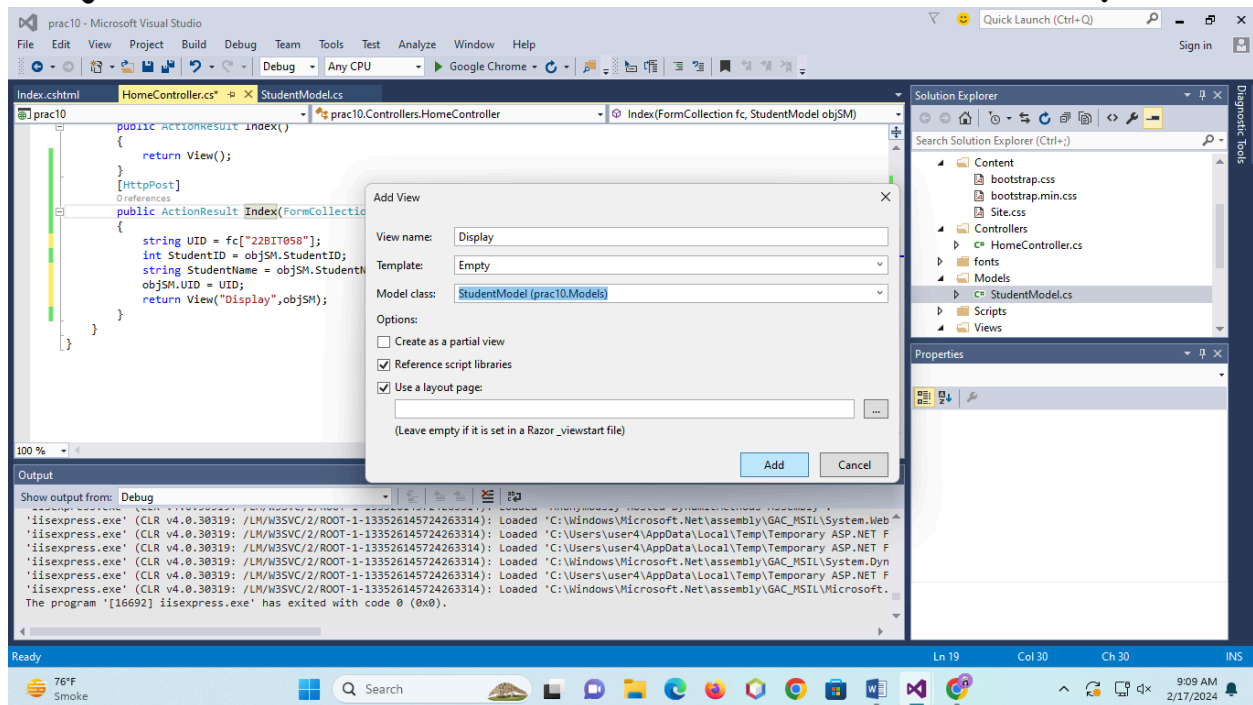
Adding another view file

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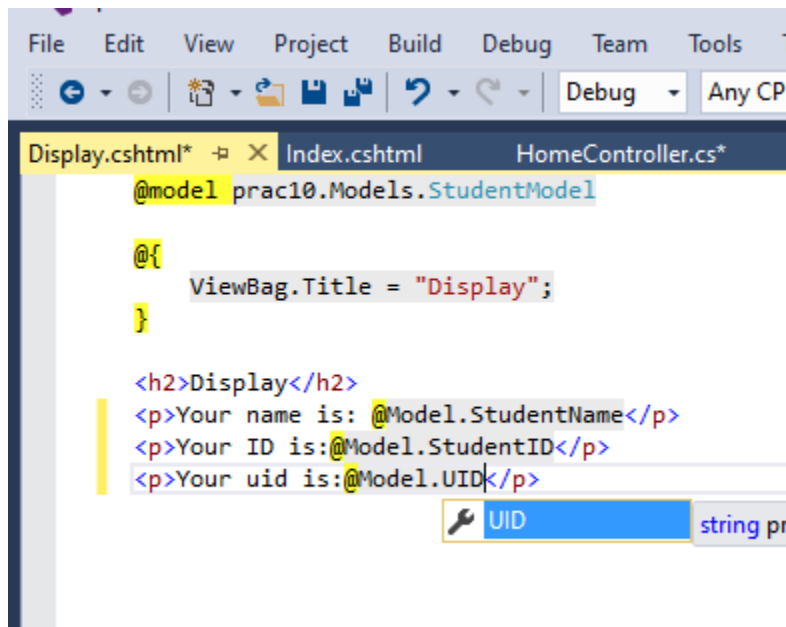
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Display.cshtml

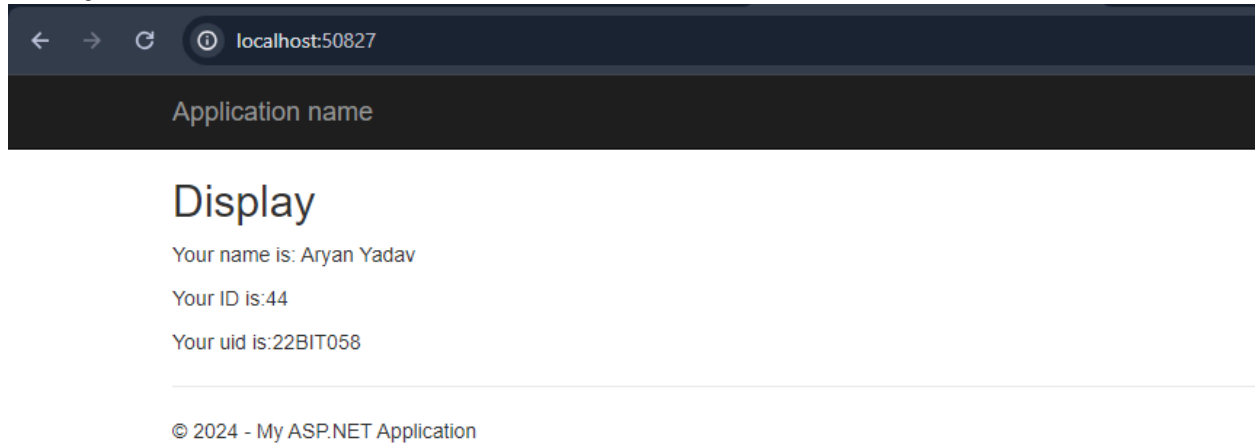


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Name: Aryan Yadav

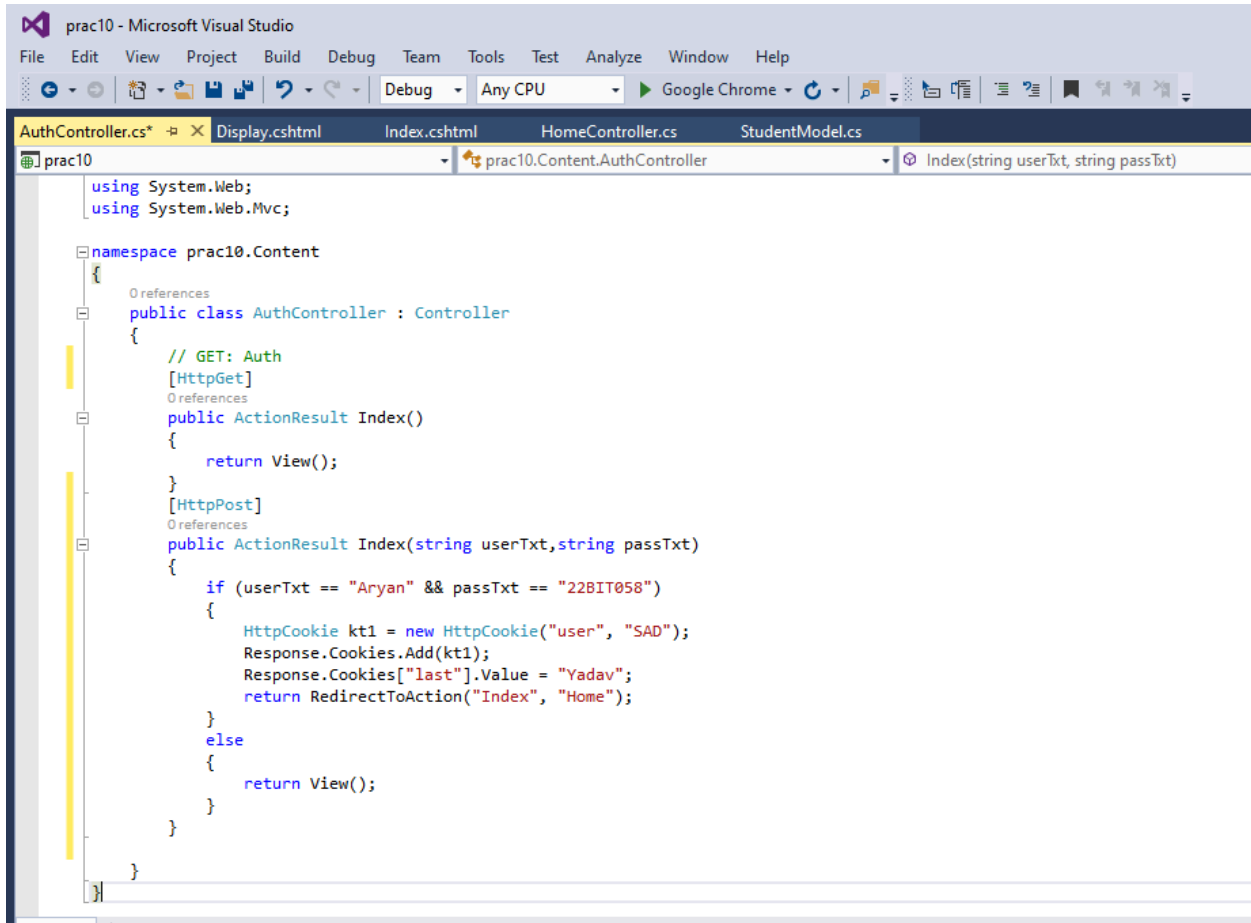
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2. Demonstrate the use of Cookies

AuthController.cs



```
using System.Web;
using System.Web.Mvc;

namespace prac10.Content
{
    public class AuthController : Controller
    {
        // GET: Auth
        [HttpGet]
        public ActionResult Index()
        {
            return View();
        }

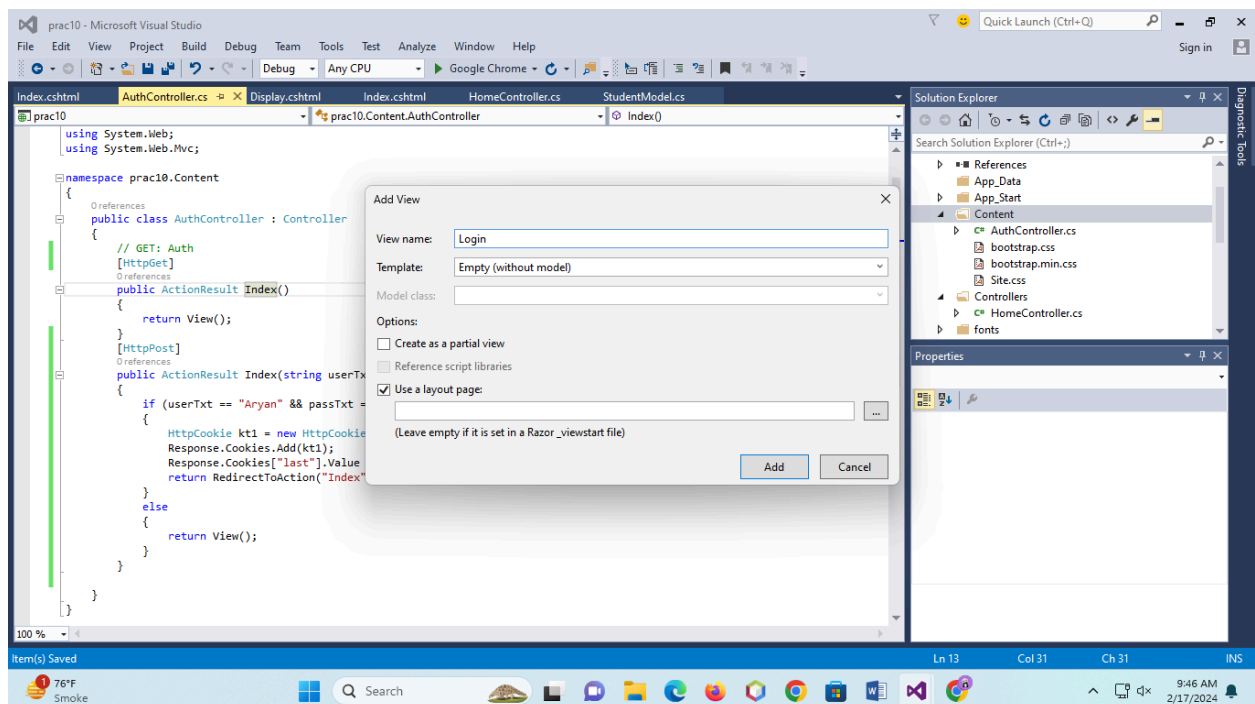
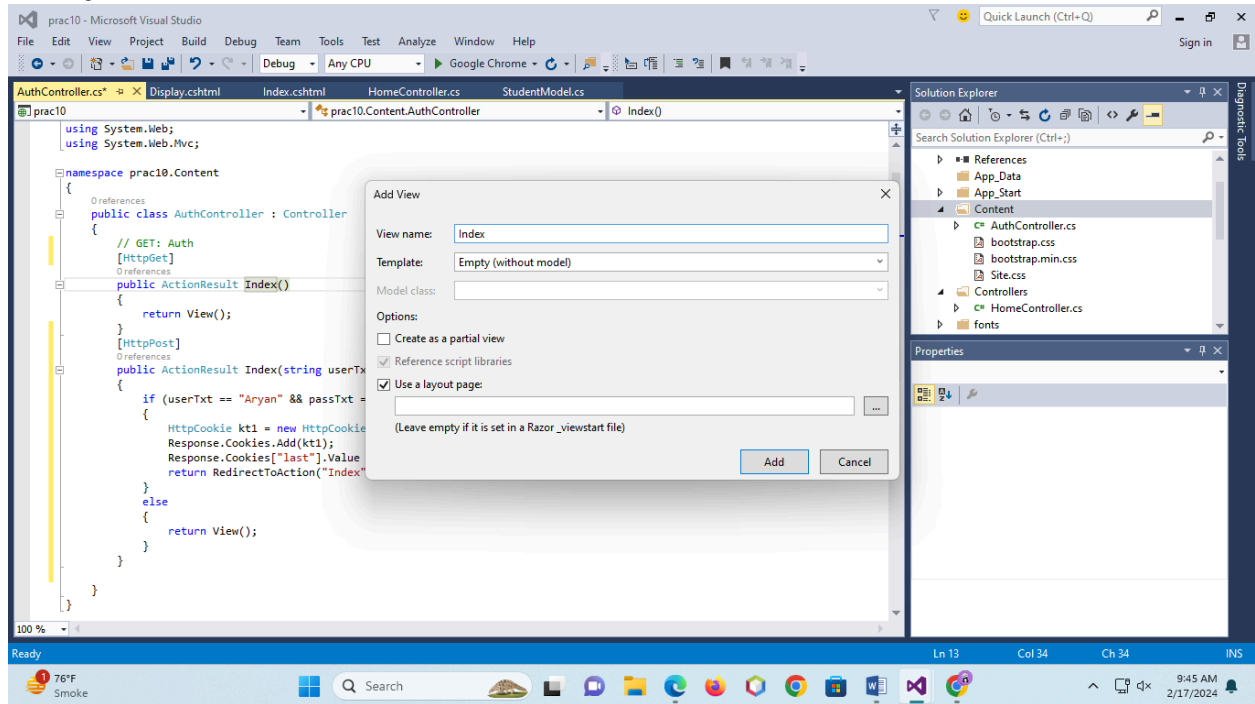
        [HttpPost]
        public ActionResult Index(string userTxt, string passTxt)
        {
            if (userTxt == "Aryan" && passTxt == "22BIT058")
            {
                HttpCookie kt1 = new HttpCookie("user", "SAD");
                Response.Cookies.Add(kt1);
                Response.Cookies["last"].Value = "Yadav";
                return RedirectToAction("Index", "Home");
            }
            else
            {
                return View();
            }
        }
    }
}
```

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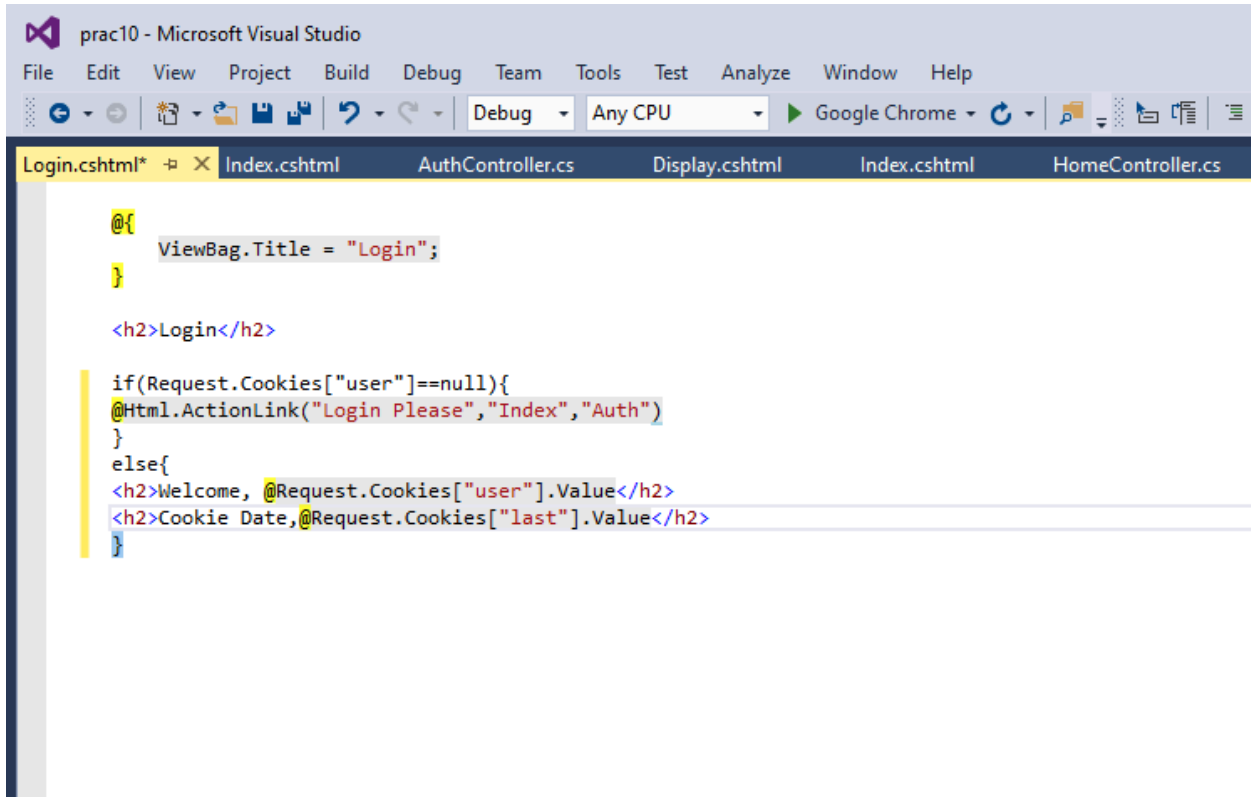
Name: Aryan Yadav

Class: SYIT

Subject: ASP.net

Date: 17th February 2024

Login.cshtml



The screenshot shows the Microsoft Visual Studio IDE with a project named 'prac10'. The 'Login.cshtml' file is open in the editor. The code is as follows:

```
@{
    ViewBag.Title = "Login";
}

<h2>Login</h2>

if(Request.Cookies["user"]==null){
    @Html.ActionLink("Login Please","Index","Auth")
}
else{
    <h2>Welcome, @Request.Cookies["user"].Value</h2>
    <h2>Cookie Date,@Request.Cookies["last"].Value</h2>
}
```

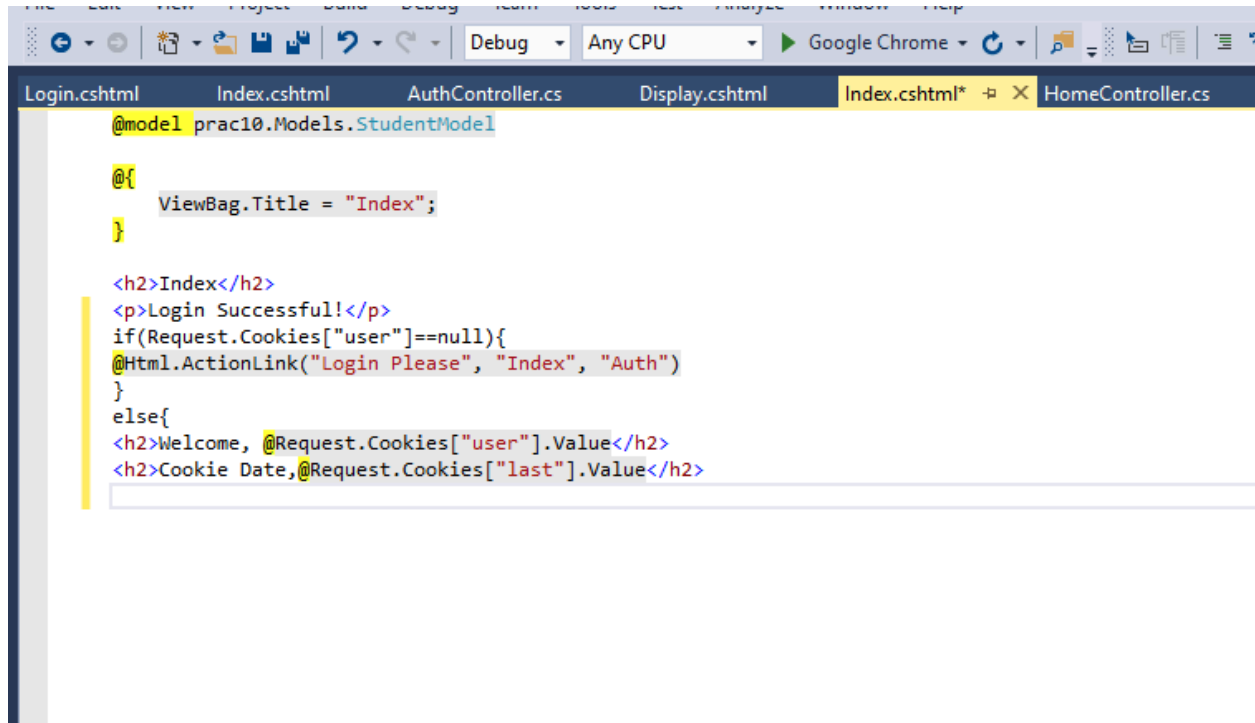
Name: Aryan Yadav

Class: SYIT

Subject: ASP.net

Date: 17th February 2024

Index.cshtml



```
@model prac10.Models.StudentModel

@{
    ViewBag.Title = "Index";
}

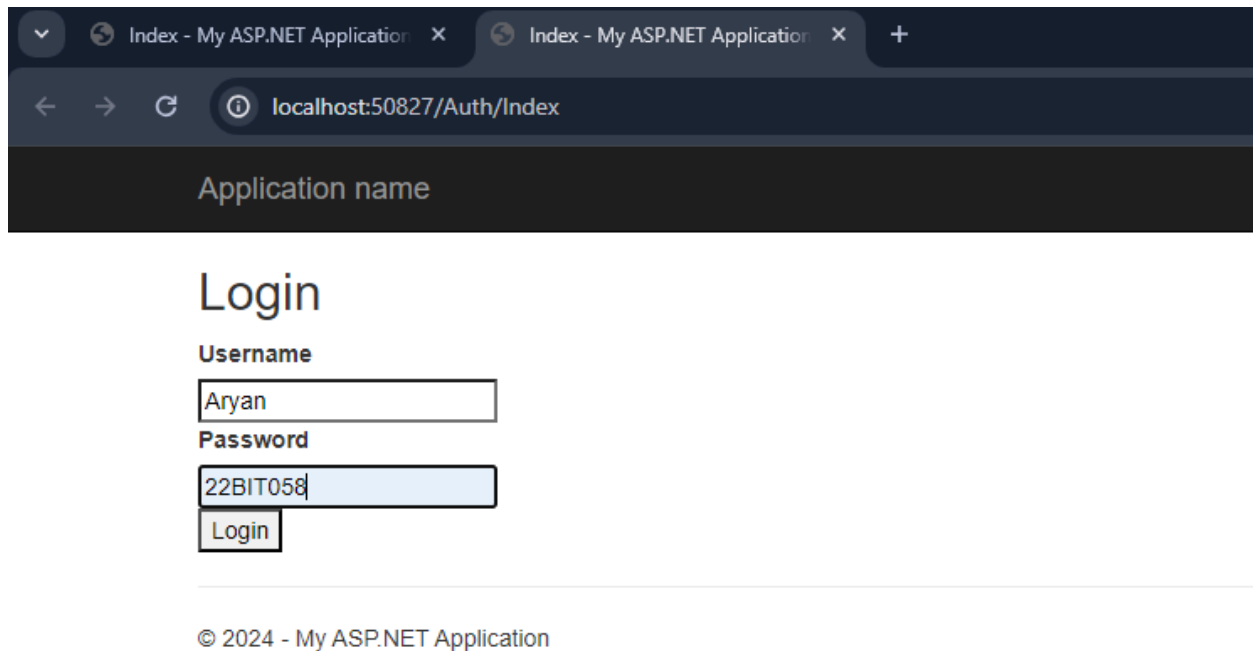
<h2>Index</h2>
<p>Login Successful!</p>
if(Request.Cookies["user"]==null){
    @Html.ActionLink("Login Please", "Index", "Auth")
}
else{
    <h2>Welcome, @Request.Cookies["user"].Value</h2>
    <h2>Cookie Date,@Request.Cookies["last"].Value</h2>
}
```

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The screenshot shows a web browser with two tabs, both titled 'Index - My ASP.NET Application'. The address bar displays 'localhost:50827/Auth/Index'. Below the browser window, a dark header bar contains the text 'Application name'. The main content area features a 'Login' section with the following elements:

- Username**: A text input field containing the value 'Aryan'.
- Password**: A text input field containing the value '22BIT058'.
- Login**: A button with the text 'Login'.

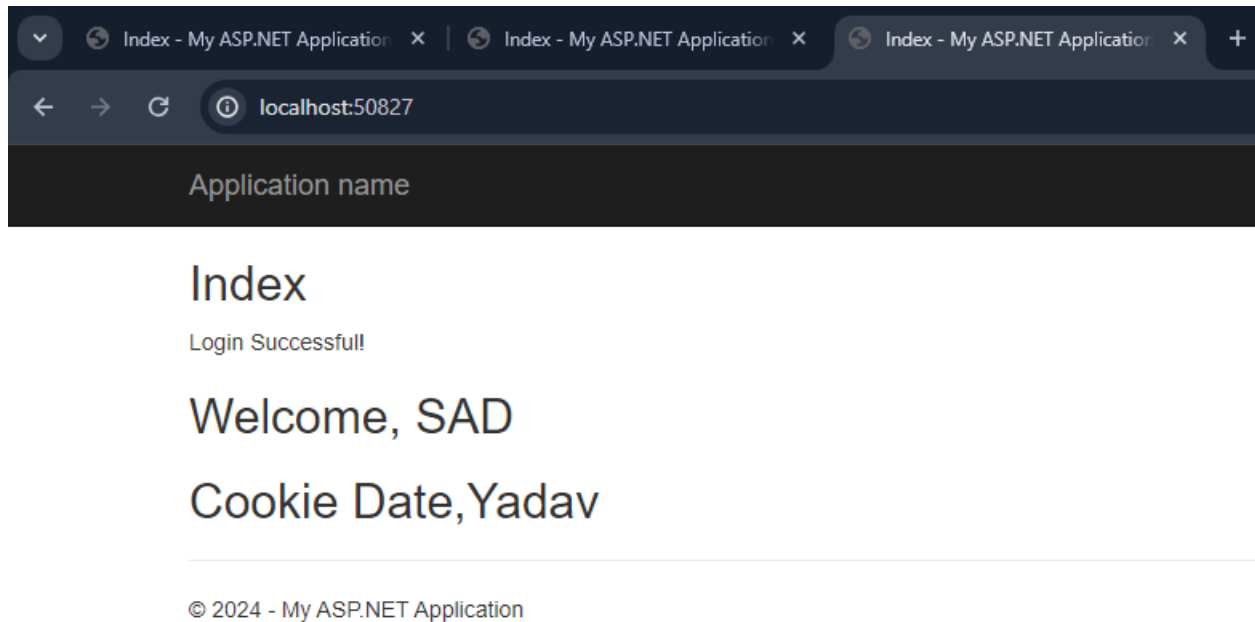
At the bottom of the page, a horizontal line separates the login form from the footer, which contains the text '© 2024 - My ASP.NET Application'.

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Q. Demonstrate sessions

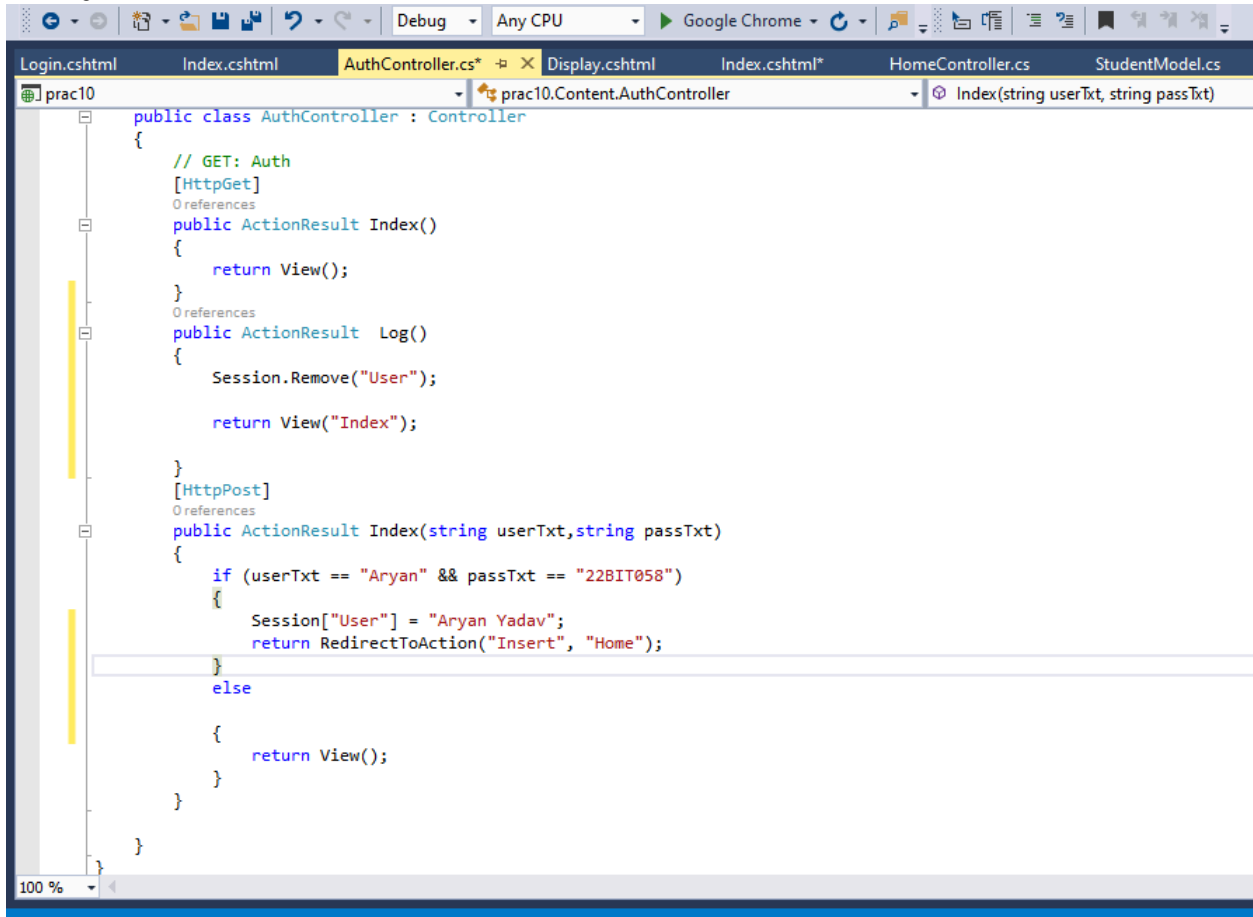
AuthController.cs

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Class: SYIT

Subject: ASP.net

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```
public class AuthController : Controller
{
    // GET: Auth
    [HttpGet]
    public ActionResult Index()
    {
        return View();
    }

    // POST: Auth
    [HttpPost]
    public ActionResult Log()
    {
        Session.Remove("User");

        return View("Index");
    }

    // POST: Auth
    [HttpPost]
    public ActionResult Index(string userTxt, string passTxt)
    {
        if (userTxt == "Aryan" && passTxt == "22BIT058")
        {
            Session["User"] = "Aryan Yadav";
            return RedirectToAction("Insert", "Home");
        }
        else
        {
            return View();
        }
    }
}
```

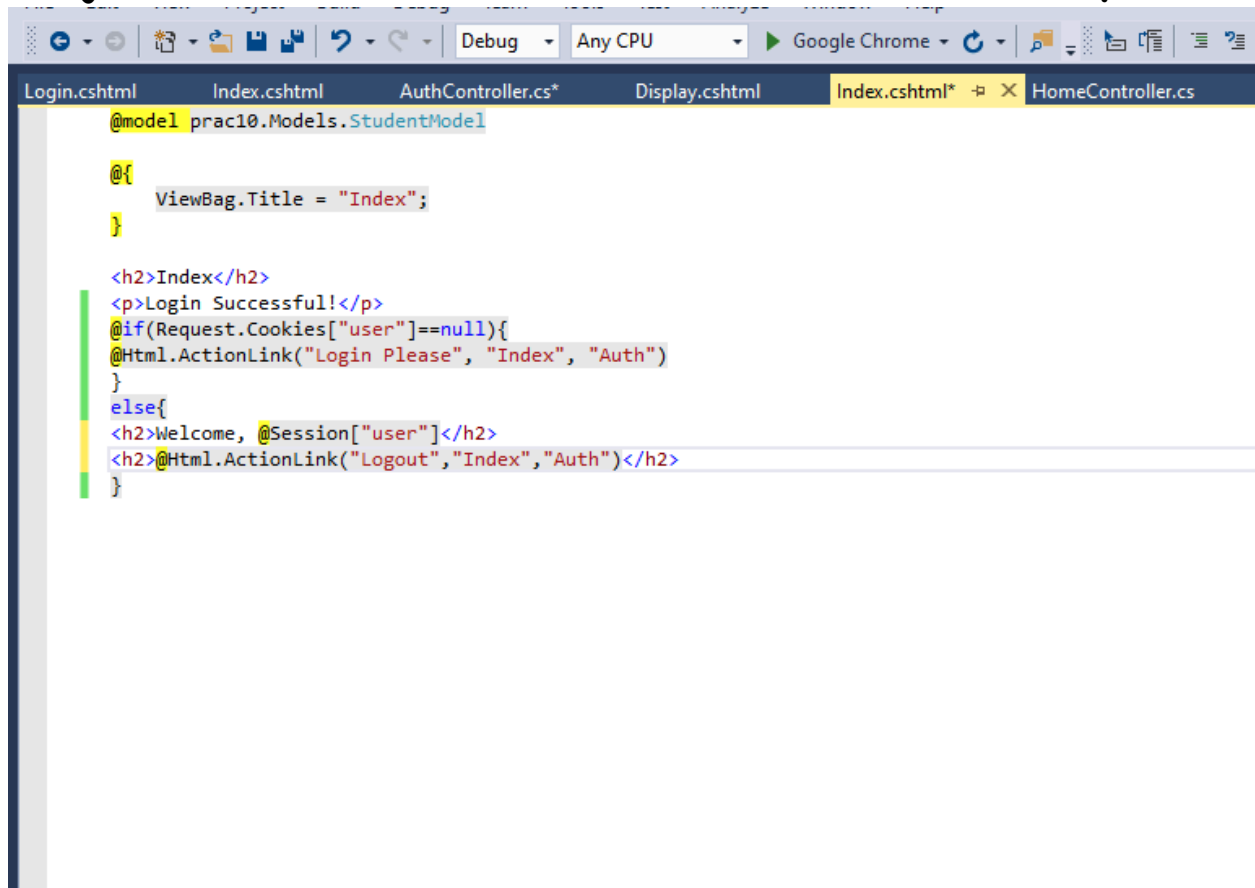
Index.cshtml

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Class: SYIT

Subject: ASP.net

Date: 17th February 2024



```
@model prac10.Models.StudentModel

@{
    ViewBag.Title = "Index";
}

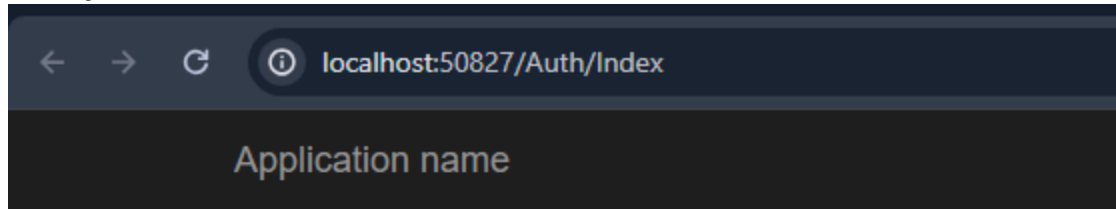
<h2>Index</h2>
<p>Login Successful!</p>
@if(Request.Cookies["user"]==null){
    @Html.ActionLink("Login Please", "Index", "Auth")
}
else{
    <h2>Welcome, @Session["user"]</h2>
    <h2>@Html.ActionLink("Logout", "Index", "Auth")</h2>
}
```


Name: Aryan Yadav

Class: SYIT

Subject: ASP.net

Date: 17th February 2024



Login

Username

Password

© 2024 - My ASP.NET Application

Name: Aryan Yadav

Class: SYIT

Subject: ASP.net

Date: 17th February 2024

