**Homecontroller**

using Microsoft.AspNetCore.Mvc;

using mvcdemo\_pre.Models;

using System.Diagnostics;

namespace mvcdemo\_pre.Controllers

{

public class HomeController : Controller

{

private readonly ILogger<HomeController> \_logger;

public HomeController(ILogger<HomeController> logger)

{

\_logger = logger;

}

public IActionResult Index()

{

return View();

}

public IActionResult Privacy()

{

return View();

}

public IActionResult first()

{

return View();

}

public IActionResult second()

{

return View("third");

}

[ActionName(name:"demo")]

public IActionResult first(int n)

{

return View();

}

}

}

**Index.cshtml**

@{

ViewData["Title"] = "Home Page";

}

<h1>this is home index page</h1>

Note:Create views for all other views

**ActionResult demo:**

using Microsoft.AspNetCore.Mvc;

using mvcdemo\_pre.Models;

namespace mvcdemo\_pre.Controllers

{

public class StudentController : Controller

{

public IActionResult Index()

{

return View();

}

public ViewResult first()

{

return View();

}

public JsonResult second()

{

int[] arr = { 10, 20, 30, 40, 50 }; //csharp array

return Json(arr); //json array

}

public JsonResult third()

{

List<Product> plist = new List<Product>()

{

new Product() {ProductId=101,ProductName="pen",Price=56},

new Product() {ProductId=102,ProductName="mobile",Price=78000},

new Product() {ProductId=103,ProductName="laptop",Price=99000},

};

return Json(plist);

}

public RedirectResult four()

{

return Redirect("http://www.google.com");

}

public RedirectToActionResult five()

{

return RedirectToAction("six");

}

public ActionResult six()

{

return View();

}

public FileResult seven()

{

byte[] b = System.IO.File.ReadAllBytes("cert.pdf");

FileContentResult fc = new FileContentResult(b, "Application/pdf");

return fc;

}

public FileResult eight()

{

byte[] b = System.IO.File.ReadAllBytes("flowers.jpg");

FileContentResult fc = new FileContentResult(b, "image/jpg");

return fc;

}

}

}

**Partial View Demo**

Create partial view as below:

Right click on shared folder of view🡪add view🡪

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

**Mypartial.cshtml**

<h1>this is partial view</h1>

**2)inside controller**

public ViewResult nine()

{

return View();

}

**Mypartial.cshtml**

<h1>this is student nine page</h1>

@Html.Partial("mypartial")

**partial view demo 2**

**inside controller**

public PartialViewResult ten()

{

return PartialView("mypartial");

}

**ViewData and ViewBag Demo**

**controller**

public ActionResult twelve()

{

ViewData["uname"] = "ganesh";

ViewData["num"] = 100;

ViewBag.ename = "rahul";

ViewBag.res = 200;

return View();

}

**Twelve.cshtml**

<h1>@ViewData["uname"]</h1>

@{

int sum = (int)ViewData["num"] \* 4;

}

<h1>@sum</h1>

<h1>@ViewBag.ename</h1>

@{

int mul = ViewBag.res \* 4;

}

<h1>@mul</h1>

**TempData Demo**

**Controller page**

public ActionResult thirteen()

{

TempData["pname"] = "mobile";

return RedirectToAction("fourteen");

}

public ActionResult fourteen()

{

return View();

}

**Fourteen.cshtml**

<h1>@TempData["pname"]</h1>