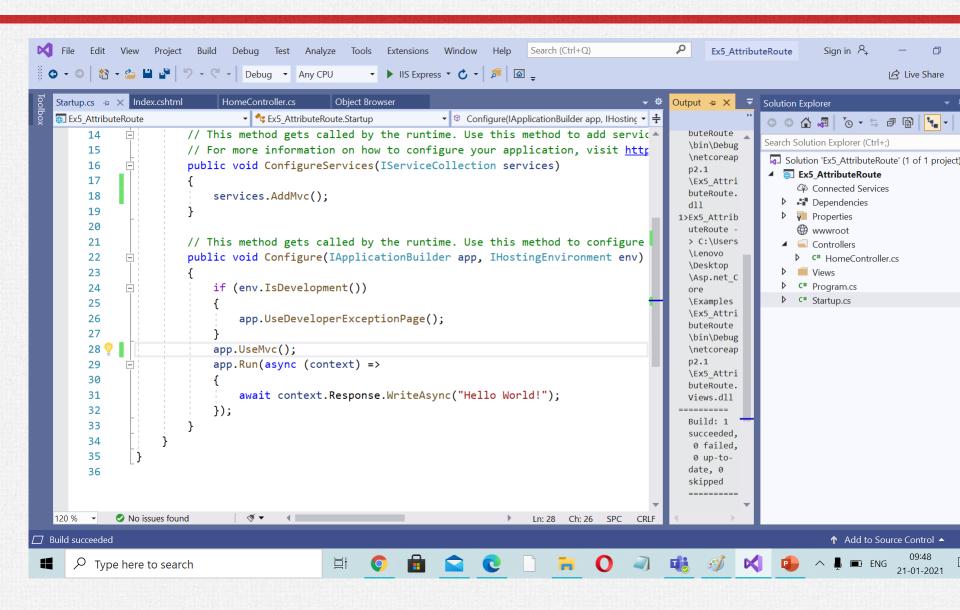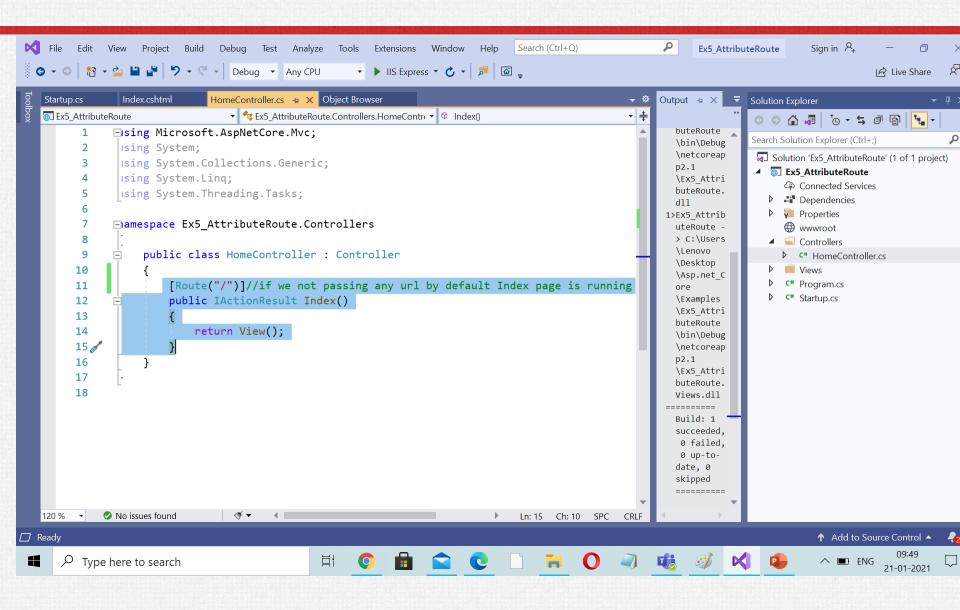# Attribute Routing in ASP.NET Core MVC | Route Attribute

.

Attribute Routing

- ▶ With the help of ASP.NET Core Attribute Routing, you can use the Route attribute to define routes for your application.

- ▶ You can use the Route attribute either at the Controller level or at the Controller Action Methods level.

- ▶ When you apply the Route attribute at the Controller level, then it is applicable for all the action methods of that controller.
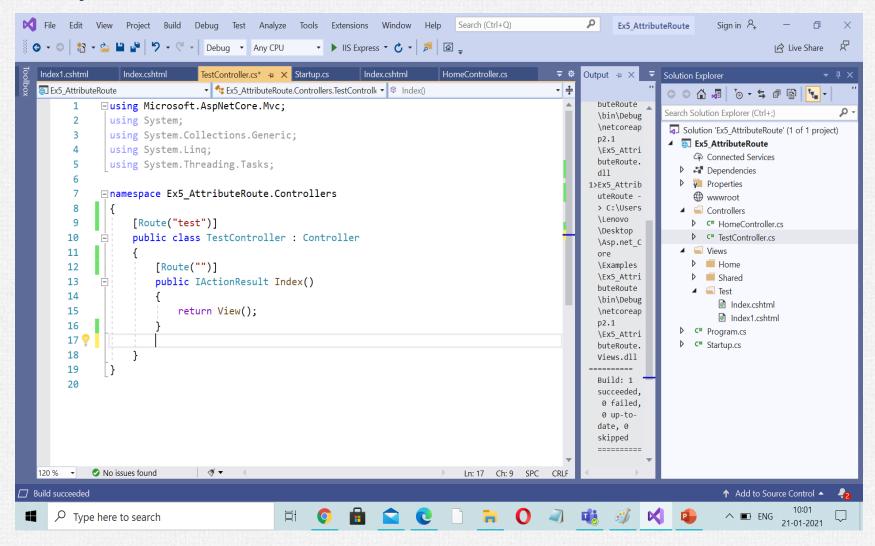
Ex5_AttributeRoute

Startup.cs   Index.cshtml   HomeController.cs   Object Browser

Ex5_AttributeRoute   Ex5_AttributeRoute.Startup   Configure(IApplicationBuilder app, IHosting

```csharp
14        // This method gets called by the runtime. Use this method to add servic
15        // For more information on how to configure your application, visit http
16        public void ConfigureServices(IServiceCollection services)
17        {
18            services.AddMvc();
19        }
20
21        // This method gets called by the runtime. Use this method to configure
22        public void Configure(IApplicationBuilder app, IHostingEnvironment env)
23        {
24            if (env.IsDevelopment())
25            {
26                app.UseDeveloperExceptionPage();
27            }
28            app.UseMvc();
29            app.Run(async (context) =>
30            {
31                await context.Response.WriteAsync("Hello World!");
32            });
33        }
34    }
35 }
36
```

Output

```
buteRoute
\bin\Debug
\netcoreap
p2.1
\Ex5_Attri
buteRoute.
dll
1>Ex5_Attrib
uteRoute -
> C:\Users
\Lenovo
\Desktop
\Asp.net_C
ore
\Examples
\Ex5_Attri
buteRoute
\bin\Debug
\netcoreap
p2.1
\Ex5_Attri
buteRoute.
Views.dll
==========
Build: 1
succeeded,
0 failed,
0 up-to-
date, 0
skipped
==========
```

Solution Explorer

Search Solution Explorer (Ctrl+;)

- Solution 'Ex5_AttributeRoute' (1 of 1 project)
  - Ex5_AttributeRoute
    - Connected Services
    - Dependencies
    - Properties
    - wwwroot
    - Controllers
      - HomeController.cs
    - Views
    - Program.cs
    - Startup.cs

120 %   ⊘ No issues found   Ln: 28   Ch: 26   SPC   CRLF

Build succeeded   Add to Source Control

Type here to search

ENG   09:48   21-01-2021

```csharp
using Microsoft.AspNetCore.Mvc;
using System;
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;

namespace Ex5_AttributeRoute.Controllers
{

    public class HomeController : Controller
    {

        [Route("/")]//if we not passing any url by default Index page is running
        public IActionResult Index()
        {

            return View();

        }

    }

}
```

- [Route("/")]//if we not passing any url by default Index page is running
- [Route("Index")]
- [Route("Home/Index")]
- public IActionResult Index()
- {
- return View();
- }
- Run:-Same Action is running
- https://localhost:44380/
- https://localhost:44380/Index

- https://localhost:44380/Home/Details/1
- //Must Passing id
- [Route("Home/Details/{id}")]
- public string Details(int id)
- {
- return "Id=" + id.ToString() ;
- }
- --id is Optional
- [Route("Home/Details/{id?}")]
- public string Details(int id)
- {
- return "Id=" + id.ToString() ;
- }

Controller Level Routes:-
https://localhost:44380/test

- https://localhost:44380/test:-Index page is running

- https://localhost:44380/test/Aboutus Aboutus Page is running

- https://localhost:44380/test/Details/1 Details Page is running

- // ~ sign override the controller level Route
- [Route("~/ContactUs")]
- public IActionResult ContactUs()
- {
- return View();
- }
- https://localhost:44380/contactus

Thanks