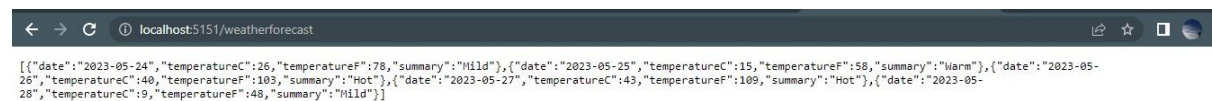


Action Filter:

Declaring in global level:

```
6
7 builder.Services.AddControllers();
8 // Learn more about configuring Swagger/OpenAPI at https://aka.ms/aspnetcore-swagger
9 builder.Services.AddEndpointsApiExplorer();
10 builder.Services.AddSwaggerGen();
11 builder.Services.AddControllers(options =>
12 {
13     options.Filters.Add(new CustomActionFilter());
14 });
15
16 var app = builder.Build();
17
18 // Configure the HTTP request pipeline.
19 if (app.Environment.IsDevelopment())
20 {
21     //app.UseSwagger();
22     //app.UseSwaggerUI();
23 }
24
25 app.UseHttpsRedirection();
26
27 app.UseAuthorization();
28
29 app.MapControllers();
```



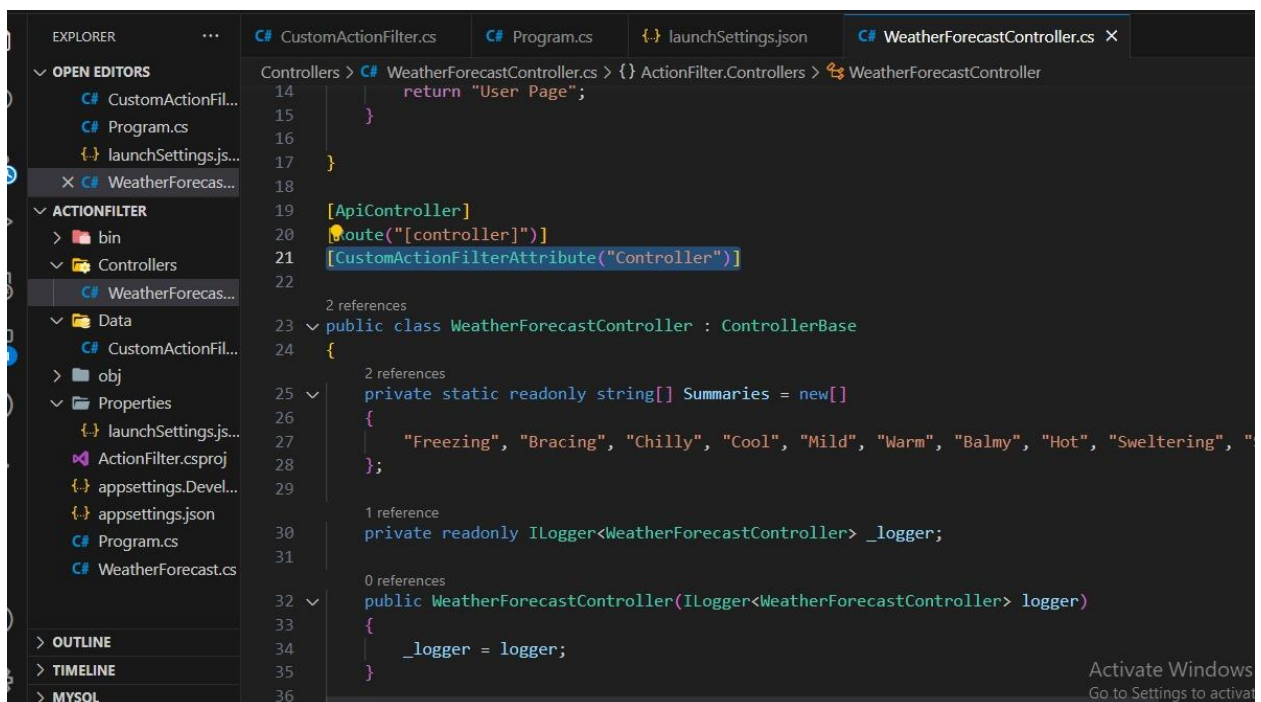
A screenshot of a web browser window showing a JSON array of weather forecast data. The address bar indicates the URL is `localhost:5151/weatherforecast`. The JSON data is as follows:

```
[{"date": "2023-05-24", "temperatureC": 26, "temperatureF": 78, "summary": "Mild"}, {"date": "2023-05-25", "temperatureC": 15, "temperatureF": 58, "summary": "Warm"}, {"date": "2023-05-26", "temperatureC": 40, "temperatureF": 103, "summary": "Hot"}, {"date": "2023-05-27", "temperatureC": 43, "temperatureF": 109, "summary": "Hot"}, {"date": "2023-05-28", "temperatureC": 9, "temperatureF": 48, "summary": "Mild"}]
```

```
PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL SQL CONSOLE COMMENTS

info: Microsoft.Hosting.Lifetime[14]
      Now listening on: http://localhost:5151
info: Microsoft.Hosting.Lifetime[0]
      Application started. Press Ctrl+C to shut down.
info: Microsoft.Hosting.Lifetime[0]
      Hosting environment: Development
info: Microsoft.Hosting.Lifetime[0]
      Content root path: F:\Aspire Training\Code\MVC\ActionFilter
warn: Microsoft.AspNetCore.HttpsPolicy.HttpsRedirectionMiddleware[3]
      Failed to determine the https port for redirect.
OnActionExecuting works
OnActionExecuted works
█
```

Calling only in the controller:



The screenshot shows the Visual Studio IDE with the Explorer, Solution Explorer, and Code Editor panes. The Explorer pane on the left shows the project structure, including the Controllers folder. The Solution Explorer pane on the right shows the WeatherForecastController.cs file. The Code Editor pane displays the code for WeatherForecastController.cs, which is annotated with the CustomActionFilterAttribute. The annotations include:

- Line 14: `return "User Page";`
- Line 15: `}`
- Line 16: `}`
- Line 17: `}`
- Line 18: `[ApiController]`
- Line 19: `[Route("controller")]`
- Line 20: `[CustomActionFilterAttribute("Controller")]`
- Line 21: `[CustomActionFilterAttribute("Controller")]`
- Line 22: `2 references`
- Line 23: `public class WeatherForecastController : ControllerBase`
- Line 24: `{`
- Line 25: `2 references`
- Line 26: `private static readonly string[] Summaries = new[]`
- Line 27: `{`
- Line 28: `"Freezing", "Bracing", "Chilly", "Cool", "Mild", "Warm", "Balmy", "Hot", "Sweltering", "`
- Line 29: `};`
- Line 30: `1 reference`
- Line 31: `private readonly ILogger<WeatherForecastController> _logger;`
- Line 32: `0 references`
- Line 33: `public WeatherForecastController(ILogger<WeatherForecastController> logger)`
- Line 34: `{`
- Line 35: `_logger = logger;`
- Line 36: `}`

At the bottom right of the Code Editor pane, there is a message: "Activate Windows Go to Settings to activate Windows."

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

SQL CONSOLE

COMMENTS

```
info: Microsoft.Hosting.Lifetime[14]
  Now listening on: http://localhost:5151
info: Microsoft.Hosting.Lifetime[0]
  Application started. Press Ctrl+C to shut down.
info: Microsoft.Hosting.Lifetime[0]
  Hosting environment: Development
info: Microsoft.Hosting.Lifetime[0]
  Content root path: F:\Aspire Training\Code\MVC\ActionFilter
warn: Microsoft.AspNetCore.HttpsPolicy.HttpsRedirectionMiddleware[3]
  Failed to determine the https port for redirect.
OnActionExecuting - Controller
OnActionExecuted - Controller
█
```