```csharp
using System;

using System.Collections.Generic;

using System.Linq;

using System.Threading.Tasks;

using Microsoft.AspNetCore.Builder;

using Microsoft.AspNetCore.Http;


namespace ASPNETCoreWebApplication

{

    public class CustomMiddleware

    {

        private readonly RequestDelegate _next;


        public CustomMiddleware(RequestDelegate next)

        {

            _next = next;

        }


        public async Task Invoke(HttpContext httpContext)

        {

            var reqBody = httpContext.Request.Body.ToString();

            var resCode = httpContext.Response.StatusCode;

            await httpContext.Response.WriteAsync($"Request body is {reqBody} and Response Status Code = {resCode}");

            await _next(httpContext);

        }

    }


    // Extension method used to add the middleware to the HTTP request pipeline.

    public static class CustomMiddlewareExtensions
```

```
    {
        public static IApplicationBuilder UseCustomMiddleware(this IApplicationBuilder builder)
        {
            return builder.UseMiddleware<CustomMiddleware>();
        }
    }
}
```