1. **Web Api using .Net First core**

Create a .Net core web application with API template. Use the option to create controller with Read Write permissions. Notice the ValuesController creation with Action methods corresponding to the Action verbs.

On creation of the Web API, execute the application and check if the GET action method result is returned as expected

**PROGRAM.CS**

var builder = WebApplication.CreateBuilder(args);

// Add services to the container.

// Learn more about configuring OpenAPI at https://aka.ms/aspnet/openapi

builder.Services.AddOpenApi();

var app = builder.Build();

// Configure the HTTP request pipeline.

if (app.Environment.IsDevelopment())

{

    app.MapOpenApi();

}

app.UseHttpsRedirection();

var summaries = new[]

{

    "Freezing", "Bracing", "Chilly", "Cool", "Mild", "Warm", "Balmy", "Hot", "Sweltering", "Scorching"

};

app.MapGet("/weatherforecast", () =>

{

    var forecast =  Enumerable.Range(1, 5).Select(index =>

        new WeatherForecast

        (

            DateOnly.FromDateTime(DateTime.Now.AddDays(index)),

            Random.Shared.Next(-20, 55),

            summaries[Random.Shared.Next(summaries.Length)]

        ))

        .ToArray();

    return forecast;

})

.WithName("GetWeatherForecast");

app.Run();

record WeatherForecast(DateOnly Date, int TemperatureC, string? Summary)

{

    public int TemperatureF => 32 + (int)(TemperatureC / 0.5556);

}

**Output**

