**WEEK-4**

**Task-1**

**Code:**

using Microsoft.AspNetCore.Mvc;

using System.Collections.Generic;

namespace FirstWebAPI.Controllers

{

[Route("api/[controller]")]

[ApiController]

public class ValuesController : ControllerBase

{

private static List<string> data = new List<string> { "value1", "value2" };

[HttpGet]

public IActionResult Get()

{

return Ok(data);

}

[HttpPost]

public IActionResult Post([FromBody] string value)

{

data.Add(value);

return Ok(data);

}

[HttpPut("{id}")]

public IActionResult Put(int id, [FromBody] string value)

{

if (id < 0 || id >= data.Count)

return BadRequest("Invalid ID");

data[id] = value;

return Ok(data);

}

[HttpDelete("{id}")]

public IActionResult Delete(int id)

{

if (id < 0 || id >= data.Count)

return BadRequest("Invalid ID");

data.RemoveAt(id);

return Ok(data);

}

}

}

<?xml version="1.0" encoding="utf-8"?>

<Project ToolsVersion="Current" xmlns="http://schemas.microsoft.com/developer/msbuild/2003">

<PropertyGroup>

<ActiveDebugProfile>http</ActiveDebugProfile>

<Controller\_SelectedScaffolderID>ApiControllerEmptyScaffolder</Controller\_SelectedScaffolderID>

<Controller\_SelectedScaffolderCategoryPath>root/Common/Api</Controller\_SelectedScaffolderCategoryPath>

</PropertyGroup>

<PropertyGroup Condition="'$(Configuration)|$(Platform)'=='Debug|AnyCPU'">

<DebuggerFlavor>ProjectDebugger</DebuggerFlavor>

</PropertyGroup>

</Project>

@\_1.\_WebApi\_Handson\_HostAddress = http://localhost:5119

GET {{\_1.\_WebApi\_Handson\_HostAddress}}/weatherforecast/

Accept: application/json

###

using Microsoft.AspNetCore.Builder;

using Microsoft.Extensions.DependencyInjection;

using Microsoft.Extensions.Hosting;

var builder = WebApplication.CreateBuilder(args);

builder.Services.AddControllers();

builder.Services.AddEndpointsApiExplorer();

builder.Services.AddSwaggerGen();

var app = builder.Build();

if (app.Environment.IsDevelopment())

{

app.UseSwagger();

app.UseSwaggerUI();

}

app.UseHttpsRedirection();

app.UseAuthorization();

app.MapControllers();

app.Run();

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