1. WebApi Handson

**Code : -**

**Program.cs :**

var builder = WebApplication.CreateBuilder(args);

// Add services to the container.

builder.Services.AddControllers();

builder.Services.AddEndpointsApiExplorer();

builder.Services.AddSwaggerGen();

var app = builder.Build();

// Configure the HTTP request pipeline.

if (app.Environment.IsDevelopment())

{

app.UseSwagger();

app.UseSwaggerUI(); // This enables the Swagger UI

}

app.UseHttpsRedirection();

app.UseAuthorization();

app.MapControllers(); // Maps controller routes

app.Run();

**ValuesController.cs**

using Microsoft.AspNetCore.Mvc;

using System.Collections.Generic;

namespace MyFirstWebAPI.Controllers

{

[ApiController]

[Route("[controller]")]

public class ValuesController : ControllerBase

{

private static List<string> items = new List<string> { "Item1", "Item2" };

[HttpGet]

public IActionResult Get() => Ok(items);

[HttpPost]

public IActionResult Post([FromBody] string item)

{

items.Add(item);

return Ok(items);

}

[HttpPut("{id}")]

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

{

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

return NotFound("Item not found");

items[id] = item;

return Ok(items);

}

[HttpDelete("{id}")]

public IActionResult Delete(int id)

{

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

return NotFound("Item not found");

items.RemoveAt(id);

return Ok(items);

}

}

}

**Output :**



