**INTCDE21ID008**

**STAGE- 4**

**916398 – SAAHIL TOMAR**

**Day 73 –** Web Api

Hands-On:

Create a .Net core web application with API template. Use the option to create controller with Read Write permissions.

ValuesController.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Threading.Tasks;

using Microsoft.AspNetCore.Mvc;

// For more information on enabling Web API for empty projects, visit https://go.microsoft.com/fwlink/?LinkID=397860

namespace WebApplication4

{

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

[ApiController]

public class ValuesController : ControllerBase

{

// GET: api/<ValuesController>

[HttpGet]

public IEnumerable<string> Get()

{

return new string[] { "value1", "value2" };

}

// GET api/<ValuesController>/5

[HttpGet("{id}")]

public string Get(int id)

{

return "value";

}

// POST api/<ValuesController>

[HttpPost]

public void Post([FromBody] string value)

{

}

// PUT api/<ValuesController>/5

[HttpPut("{id}")]

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

{

}

// DELETE api/<ValuesController>/5

[HttpDelete("{id}")]

public void Delete(int id)

{

}

}

}

Startup.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Threading.Tasks;

using Microsoft.AspNetCore.Builder;

using Microsoft.AspNetCore.Hosting;

using Microsoft.AspNetCore.HttpsPolicy;

using Microsoft.AspNetCore.Mvc;

using Microsoft.Extensions.Configuration;

using Microsoft.Extensions.DependencyInjection;

using Microsoft.Extensions.Hosting;

using Microsoft.Extensions.Logging;

using Microsoft.OpenApi.Models;

namespace WebApplication4

{

public class Startup

{

public Startup(IConfiguration configuration)

{

Configuration = configuration;

}

public IConfiguration Configuration { get; }

// This method gets called by the runtime. Use this method to add services to the container.

public void ConfigureServices(IServiceCollection services)

{

services.AddControllers();

services.AddSwaggerGen(c =>

{

c.SwaggerDoc("v1", new OpenApiInfo { Title = "WebApplication4", Version = "v1" });

});

}

// This method gets called by the runtime. Use this method to configure the HTTP request pipeline.

public void Configure(IApplicationBuilder app, IWebHostEnvironment env)

{

if (env.IsDevelopment())

{

app.UseDeveloperExceptionPage();

app.UseSwagger();

app.UseSwaggerUI(c => c.SwaggerEndpoint("/swagger/v1/swagger.json", "WebApplication4 v1"));

}

app.UseHttpsRedirection();

app.UseRouting();

app.UseAuthorization();

app.UseEndpoints(endpoints =>

{

endpoints.MapControllers();

});

}

}

}

**OUTPUT**

