1. ***WebApiHandson***

**First Web Api using .Net 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.

using Microsoft.AspNetCore.Mvc;

using System.Collections.Generic;

namespace YourProjectName.Controllers

{

    [ApiController]

    [Route("api/[controller]")] // Slightly changed the route to include "api"

    public class ValuesController : ControllerBase

    {

        // GET: api/values

        [HttpGet]

        public IEnumerable<string> GetAll()

        {

            List<string> values = new List<string> { "value1", "value2" };

            return values;

        }

        // GET: api/values/5

        [HttpGet("{id}")]

        public ActionResult<string> GetById(int id)

        {

            return Ok("value " + id);

        }

        // POST: api/values

        [HttpPost]

        public IActionResult AddValue([FromBody] string input)

        {

            // Simulate adding the value

            return Created("", input); // returns 201 Created

        }

        // PUT: api/values/5

        [HttpPut("{id}")]

        public IActionResult UpdateValue(int id, [FromBody] string newValue)

        {

            // Simulate update

            return NoContent(); // returns 204 No Content

        }

        // DELETE: api/values/5

        [HttpDelete("{id}")]

        public IActionResult DeleteValue(int id)

        {

            // Simulate deletion

            return NoContent(); // returns 204 No Content

        }

    }

}





