using System;

using System.Collections.Generic;

using System.Linq;

using System.Threading.Tasks;

using Microsoft.AspNetCore.Http;

using Microsoft.AspNetCore.Mvc;

using WebApplication5.Models;

namespace WebApplication5.Controllers

{

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

[ApiController]

public class Student1Controller : ControllerBase

{

static List<Student> Students = null;

public Student1Controller()

{

if (Students == null)

{

Students = new List<Student>()

{

new Student() { Id=1, Name="Ajay" , Batch="B001", Marks=90},

new Student() { Id=2, Name="Deepak" , Batch="B002", Marks=90},

new Student() { Id=3, Name="Bhagya" , Batch="B001", Marks=90},

new Student() { Id=4, Name="Meenu" , Batch="B002", Marks=90},

};

}

}

[HttpGet]

public IActionResult List()

{

return Ok(Students.ToList());

}

[HttpGet]

[Route("{id:int}")]

public IActionResult GetById(int id)

{

var obj = Students.FirstOrDefault(x => x.Id == id);

if (obj == null)

return NotFound();

else

return Ok(obj);

}

[HttpPost]

public IActionResult Create(Student student)

{

var obj = Students.FirstOrDefault(x => x.Id == student.Id);

if (obj == null)

return BadRequest();

else

{

Students.Add(student);

return Created("Added", obj);

}

}

[HttpPut]

[Route("{id:int}")]

public IActionResult Edit(int id, Student student)

{

var obj = Students.FirstOrDefault(x => x.Id == student.Id);

if (obj == null)

return NotFound();

else

{

(from p in Students

where p.Id == id

select p).ToList()

.ForEach(x =>

{

x.Name = student.Name;

x.Batch = student.Batch;

x.Marks = student.Marks;

}

);

return Content("Edited");

}

}

[HttpDelete]

[Route("{id:int}")]

public IActionResult Delete(int id)

{

var obj = Students.FirstOrDefault(x => x.Id == id);

if (obj == null)

return NotFound();

else

{

Students.Remove(obj);

return Content("Deleted");

}

}

}

}