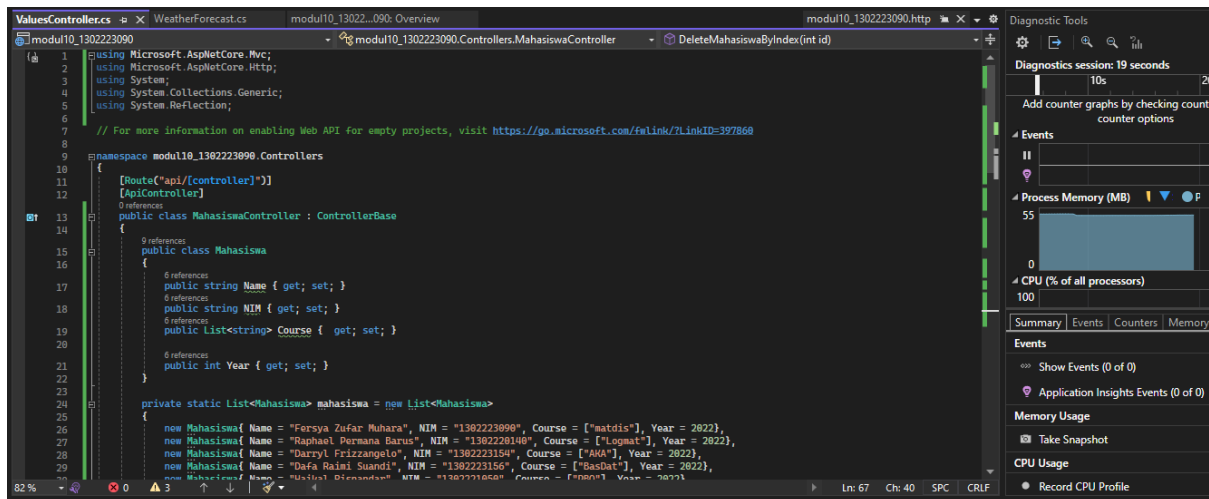
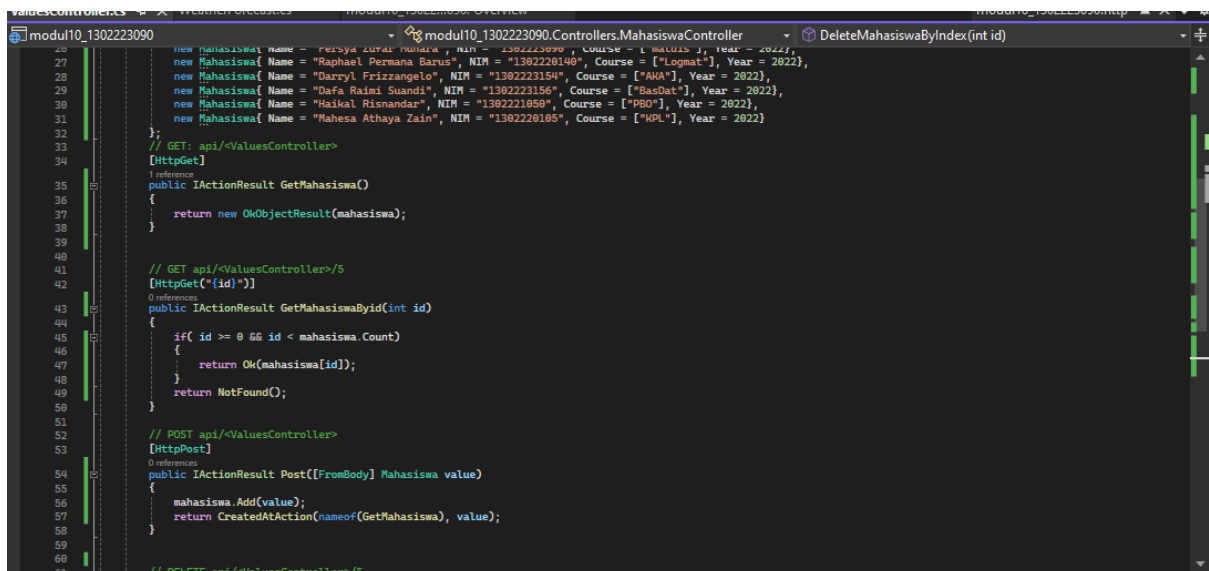


Nama : Fersya Zufar

NIM : 1302223090



```
1 using Microsoft.AspNetCore.Mvc;
2 using Microsoft.AspNetCore.Http;
3 using System;
4 using System.Collections.Generic;
5 using System.Reflection;
6
7 // For more information on enabling Web API for empty projects, visit https://go.microsoft.com/fwlink/?linkID=397860
8
9 namespace modul10_1302223090.Controllers
10 {
11     [Route("api/[controller]")]
12     [ApiController]
13     public class MahasiswaController : ControllerBase
14     {
15         public class Mahasiswa
16         {
17             public string Name { get; set; }
18             public string NIM { get; set; }
19             public List<string> Course { get; set; }
20             public int Year { get; set; }
21         }
22
23         private static List<Mahasiswa> mahasiswa = new List<Mahasiswa>
24         {
25             new Mahasiswa { Name = "Fersya Zufar Muhara", NIM = "1302223090", Course = ["matdis"], Year = 2022 },
26             new Mahasiswa { Name = "Raphael Permana Barus", NIM = "1302220140", Course = ["Logmat"], Year = 2022 },
27             new Mahasiswa { Name = "Darryl Frizzangelo", NIM = "1302223154", Course = ["AKA"], Year = 2022 },
28             new Mahasiswa { Name = "Dafa Raimi Suandi", NIM = "1302223156", Course = ["BasDat"], Year = 2022 },
29             new Mahasiswa { Name = "Haikal Risnandar", NIM = "1302221050", Course = ["PBO"], Year = 2022 },
30             new Mahasiswa { Name = "Mahesa Athaya Zain", NIM = "1302220105", Course = ["KPL"], Year = 2022 }
31         };
32     }
33 }
```



```
27 new Mahasiswa { Name = "Fersya Zufar Muhara", NIM = "1302223090", Course = ["matdis"], Year = 2022 },
28 new Mahasiswa { Name = "Raphael Permana Barus", NIM = "1302220140", Course = ["Logmat"], Year = 2022 },
29 new Mahasiswa { Name = "Darryl Frizzangelo", NIM = "1302223154", Course = ["AKA"], Year = 2022 },
30 new Mahasiswa { Name = "Dafa Raimi Suandi", NIM = "1302223156", Course = ["BasDat"], Year = 2022 },
31 new Mahasiswa { Name = "Haikal Risnandar", NIM = "1302221050", Course = ["PBO"], Year = 2022 },
32 new Mahasiswa { Name = "Mahesa Athaya Zain", NIM = "1302220105", Course = ["KPL"], Year = 2022 }
33 };
34
35 // GET: api/ValuesController
36 [HttpGet]
37 public IActionResult GetMahasiswa()
38 {
39     return new OkObjectResult(mahasiswa);
40 }
41
42 // GET: api/ValuesController/5
43 [HttpGet("{id}")]
44 public IActionResult GetMahasiswaById(int id)
45 {
46     if (id >= 0 && id < mahasiswa.Count)
47     {
48         return Ok(mahasiswa[id]);
49     }
50     return NotFound();
51 }
52
53 // POST: api/ValuesController
54 [HttpPost]
55 public IActionResult Post([FromBody] Mahasiswa value)
56 {
57     mahasiswa.Add(value);
58     return CreatedAtAction(nameof(GetMahasiswa), value);
59 }
60
61 // DELETE: api/ValuesController/5
```

```
ValuesController.cs | WeatherForecast.cs | modul10_13022...090: Overview | modul10_1302223090.http
modul10_1302223090 | modul10_1302223090.Controllers.MahasiswaController | DeleteMahasiswaByIndex(int id)
46 | {
47 |     return Ok(mahasiswa[id]);
48 | }
49 | return NotFound();
50 | }
51 |
52 | // POST api/<ValuesController>
53 | [HttpPost]
54 | public IActionResult Post([FromBody] Mahasiswa value)
55 | {
56 |     mahasiswa.Add(value);
57 |     return CreatedAtAction(nameof(GetMahasiswa), value);
58 | }
59 |
60 | // DELETE api/<ValuesController>/5
61 | [HttpDelete("{id}")]
62 | public IActionResult DeleteMahasiswaByIndex(int id)
63 | {
64 |     if(id >= 0 && id < mahasiswa.Count())
65 |     {
66 |         mahasiswa.RemoveAt(id);
67 |         return NoContent();
68 |     }
69 |     return NotFound(id);
70 | }
71 | }
72 | }
73 |
74 | }
```

## modul10\_1302223090 1.0 QA53

<https://localhost:7246/swagger/v1/swagger.json>

### Mahasiswa

GET /api/Mahasiswa

POST /api/Mahasiswa

GET /api/Mahasiswa/{id}

DELETE /api/Mahasiswa/{id}

#### Response body

```
{
  {
    "name": "Fersya Zufar Muhara",
    "nim": "1302223090",
    "course": [
      "matdis"
    ],
    "year": 2022
  },
  {
    "name": "Raphael Permana Barus",
    "nim": "1302220140",
    "course": [
      "Logmat"
    ],
    "year": 2022
  },
  {
    "name": "Darryl Frizzangelo",
    "nim": "1302223154",
    "course": [
      "AKA"
    ],
    "year": 2022
  },
  {
    "name": "Dafa Raini Suandi",
    "nim": "1302223156",
    "year": 2022
  }
}
```

Link Github : [https://github.com/zfersya/modul10\\_1302223090](https://github.com/zfersya/modul10_1302223090)

Penjelasan Singkat : Get untuk output, get id untuk output tertentu, post untuk input ke list, delete untuk menghapus dari list.

Response body

```
    },
    "year": 2022
  },
  {
    "name": "Dafa Raiini Suandi",
    "nim": "1302223156",
    "course": [
      "BasDat"
    ],
    "year": 2022
  },
  {
    "name": "Haikal Risnandar",
    "nim": "1302221050",
    "course": [
      "PBO"
    ],
    "year": 2022
  },
  {
    "name": "Mahesa Athaya Zain",
    "nim": "1302220105",
    "course": [
      "KPL"
    ],
    "year": 2022
  }
]
```

Response headers

```
content-type: application/json; charset=utf-8
```

Download

POST /api/Mahasiswa

Parameters

No parameters

Request body

application/json

```
{
  "name": "string",
  "nim": "string",
  "course": [
    "string"
  ],
  "year": 0
}
```

Execute Clear

Response body

```
    },
    "year": 2022
  },
  {
    "name": "Haikal Risnandar",
    "nim": "1302221050",
    "course": [
      "PBO"
    ],
    "year": 2022
  },
  {
    "name": "Mahesa Athaya Zain",
    "nim": "1302220105",
    "course": [
      "KPL"
    ],
    "year": 2022
  },
  {
    "name": "string",
    "nim": "string",
    "course": [
      "string"
    ],
    "year": 0
  }
]
```

Response headers

Download



