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RAW

1.Link Repo

[IrhamBae/Modul10_1302220063 \(github.com\)](https://github.com/IrhamBae/Modul10_1302220063)

2.Hasil Run :

A.Mencoba get:

The screenshot shows a REST client interface with the following details:

- Method:** GET
- URL:** /Mahasiswa
- Parameters:** No parameters
- Execute:** Button to run the request
- Responses:** Section containing:
 - Curl:** `curl -X 'GET' \ 'https://localhost:7066/Mahasiswa' \ -H 'accept: text/plain'`
 - Request URL:** `https://localhost:7066/Mahasiswa`
 - Server response:** 200
 - Response body:** A JSON array of three student objects:

```
{
  "name": "Irham",
  "nim": "1302220063",
  "course": [
    "AKA",
    "Basdat",
    "Jarkom"
  ],
  "year": 2022
},
{
  "name": "Carloz",
  "nim": "1302220063",
  "course": [
    "AKA",
    "Basdat",
    "Jarkom"
  ],
  "year": 2022
},
{
  "name": "Max",
  "nim": "1302220063",
  "course": [
    "AKA",
    "Basdat",
    "Jarkom"
  ],
  "year": 2022
}
```
- Download:** Button to save the response

B.Menambah Mahasiswa baru :

The screenshot shows a REST client interface for a POST request with the following details:

- Method:** POST
- URL:** /Mahasiswa
- Parameters:** No parameters
- Request body:** A JSON object for a new student:

```
{
  "name": "Saina",
  "nim": "1302220099",
  "course": [
    "AKA"
  ],
  "year": 2025
}
```
- Execute:** Button to run the request
- Clear:** Button to clear the request body

C. cek yang sudah ditambahkan :

The screenshot shows a REST client interface with a dark theme. The top bar indicates a GET request to `/Mahasiswa/{id}`. The response body is a JSON object:

```
{  "year": 0,  },  {  "name": "Sainz",  "nim": "1302220099",  "course": [    "KPL"  ],  "year": 2025  }  }
```

. The response headers show `content-type: application/json; charset=utf-8`, `date: Sat, 04 May 2024 01:48:00 GMT`, and `server: Kestrel`. A 'Download' button is visible next to the response body.

D. Mencari index ke 3:

The screenshot shows a REST client interface with a light blue theme. The top bar indicates a GET request to `/Mahasiswa/{id}`. The 'Parameters' section shows a required parameter `id` of type `integer(int32)` with the value `3`. The 'Execute' button is highlighted. The 'Responses' section shows a 200 status code and the response body:

```
{  "name": "Sainz",  "nim": "1302220099",  "course": [    "KPL"  ],  "year": 0  }
```

. The response headers are also visible.

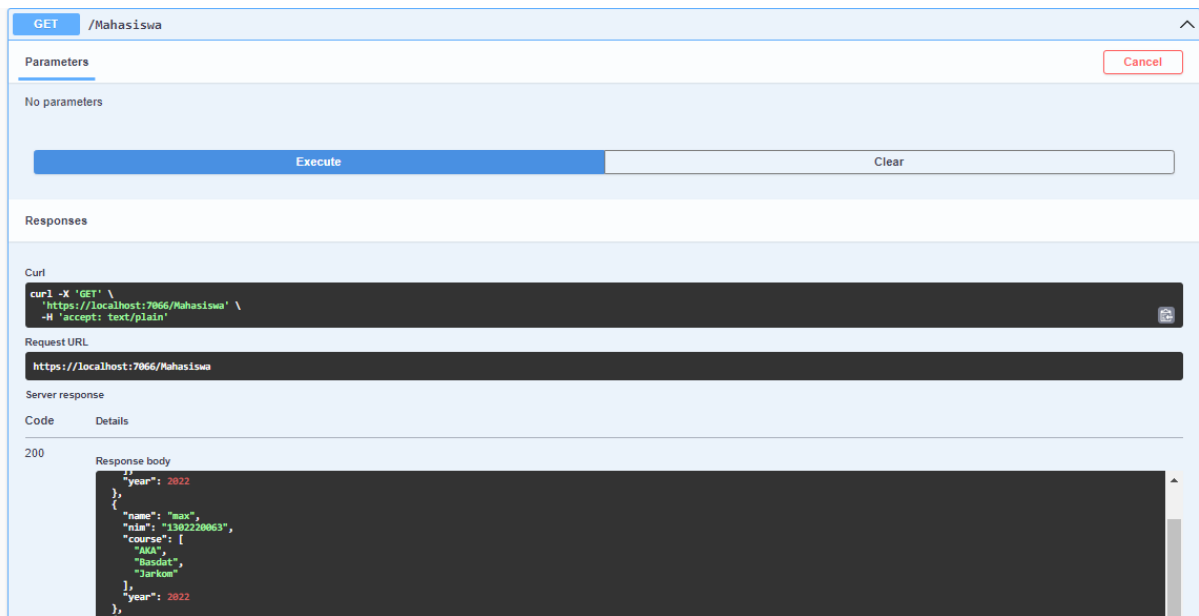
E. menghapus :

The screenshot shows a REST client interface with a light red theme. The top bar indicates a DELETE request to `/Mahasiswa`. The 'Parameters' section shows a required parameter `id` of type `integer(int32)` with the value `1`. The 'Execute' button is highlighted. The 'Responses' section shows a 200 status code and the response body:

```
{  "name": "Sainz",  "nim": "1302220099",  "course": [    "KPL"  ],  "year": 0  }
```

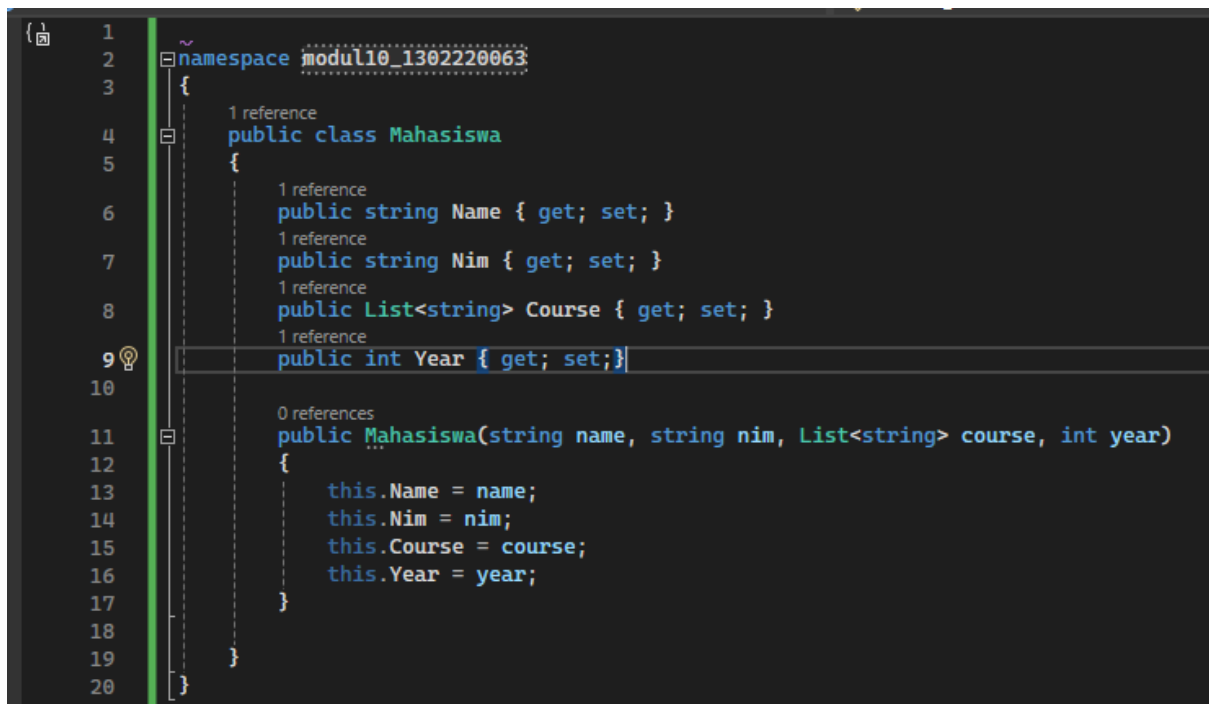
. The response headers are also visible.

F. Cek yang dah terhapus :



Penjelasan :

1.Mahasiswa.cs :



Membuat kelas biasa seperti menambahkan name, nim, course dan tahun

2. Mahasiswacontroller :

Membuat API untuk web, bisa menampilkan sata mahasiswa, mencari dan menghapus data mahasiswa.

```
1  using Microsoft.AspNetCore.Mvc;
2
3  namespace modul9.Controllers
4  {
5      [ApiController]
6      [Route("[controller]")]
7      public class MahasiswaController : ControllerBase
8      {
9          private static List<Mahasiswa> mhs = new List<Mahasiswa>
10          {
11              new Mahasiswa ("Irham", "1302220063", ["AKA", "Basdat", "Jarkom"], 2022),
12              new Mahasiswa ("carloz", "1302220063", ["AKA", "Basdat", "Jarkom"], 2022),
13              new Mahasiswa ("max", "1302220063", ["AKA", "Basdat", "Jarkom"], 2022),
14          };
15
16          [HttpGet]
17          public IEnumerable<Mahasiswa> Get()
18          {
19              return mhs;
20          }
21
22          [HttpGet("{id}")]
23          public Mahasiswa Get(int id)
24          {
25              return mhs[id];
26          }
27
28          [HttpPost(Name = "PostMahasiswa")]
29          public void Post([FromBody] Mahasiswa value)
30          {
31              mhs.Add(value);
32          }
33
34          [HttpDelete(Name = "DeleteMahasiswa")]
35          public void Delete(int id)
36          {
37              mhs.RemoveAt(id);
38          }
39      }
40  }
```