

## **TUGAS PENDAHULUAN 9 KONTRUKSI PERANGKAT LUNAK**

Nama: Rifqi M Ramdani

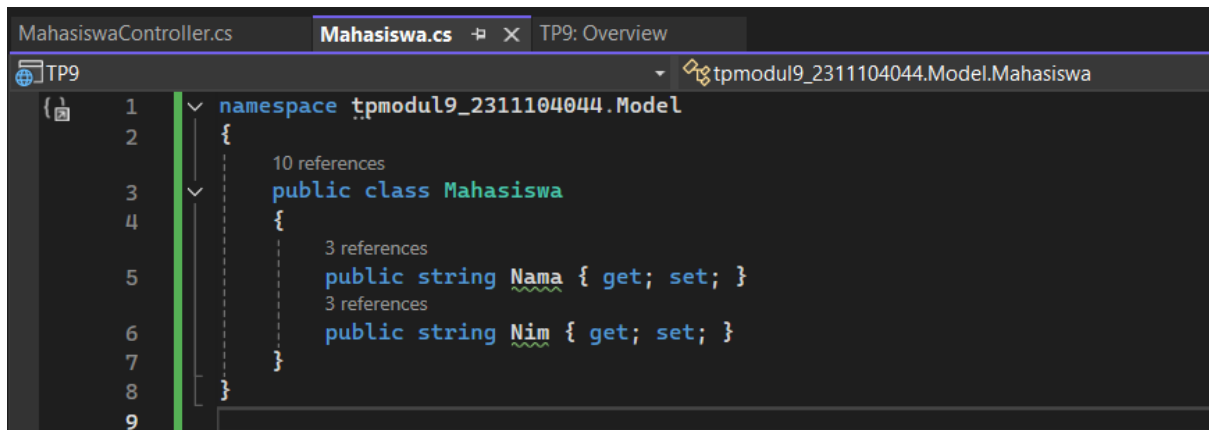
NIM : 2311104044

Kelas: SE-07-02

Class MahasiswaController.cs

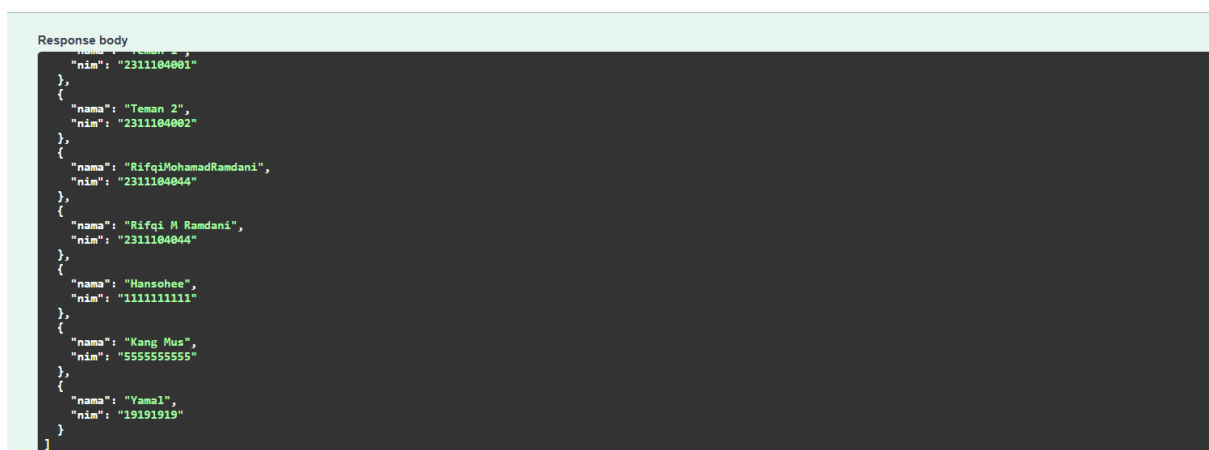
```
MahasiswaController.cs  X  Mahasiswa.cs  TP9: Overview
TP9
1  using Microsoft.AspNetCore.Mvc;
2  using tpmodul9_2311104044.Model;
3
4  namespace tpmodul9_2311104044.Controllers
5  {
6      [ApiController]
7      [Route("api/[controller]")]
8      public class MahasiswaController : ControllerBase
9      {
10         private static List<Mahasiswa> daftarMahasiswa = new List<Mahasiswa>
11         {
12             new Mahasiswa { Nama = "Nama Kamu", Nim = "2311104044" },
13             new Mahasiswa { Nama = "Teman 1", Nim = "2311104001" },
14             new Mahasiswa { Nama = "Teman 2", Nim = "2311104002" }
15         };
16
17         [HttpGet]
18         public ActionResult<List<Mahasiswa>> Get() => daftarMahasiswa;
19
20         [HttpGet("{index}")]
21         public ActionResult<Mahasiswa> Get(int index)
22         {
23             if (index < 0 || index >= daftarMahasiswa.Count)
24                 return NotFound("Index tidak ditemukan.");
25             return daftarMahasiswa[index];
26         }
27
28         [HttpPost]
29         public ActionResult<List<Mahasiswa>> Post([FromBody] Mahasiswa mhs)
30         {
31             daftarMahasiswa.Add(mhs);
32             return daftarMahasiswa;
33         }
34
35         [HttpDelete("{index}")]
36         public ActionResult<List<Mahasiswa>> Delete(int index)
37         {
38             if (index < 0 || index >= daftarMahasiswa.Count)
39                 return NotFound("Index tidak ditemukan.");
40             daftarMahasiswa.RemoveAt(index);
41             return daftarMahasiswa;
42         }
43     }
44 }
45
```

Mahasiswa.cs



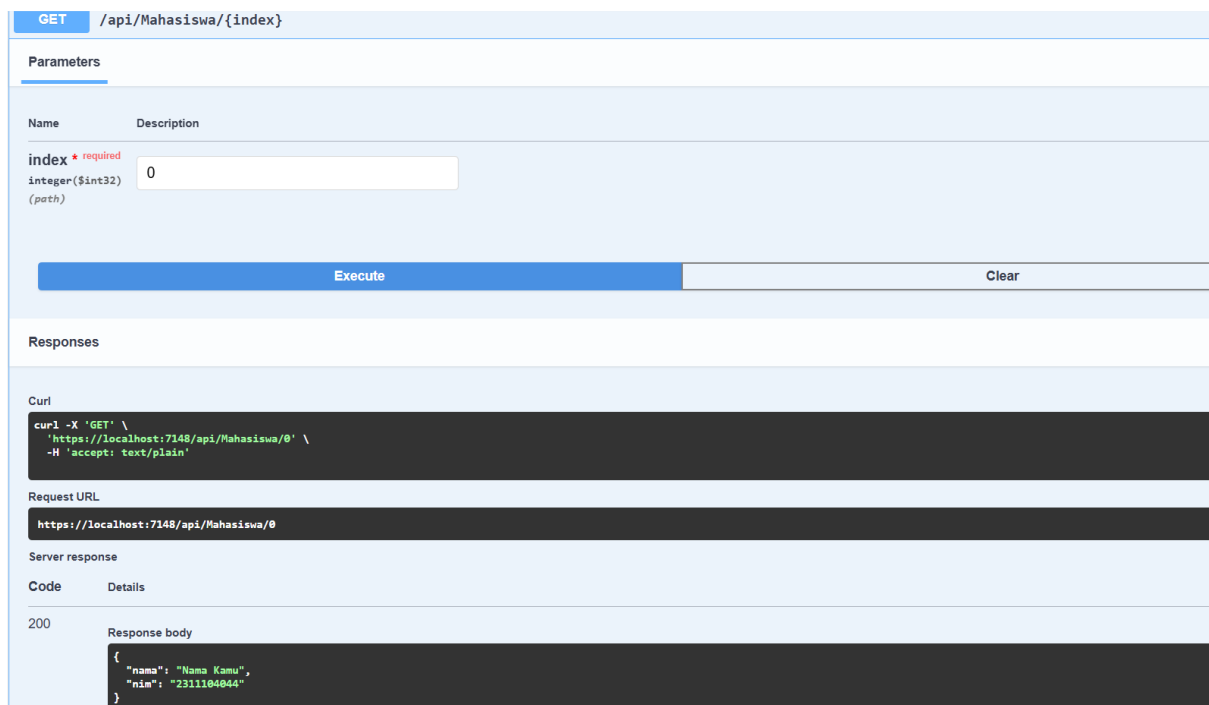
```
namespace tpmodul9_2311104044.Model
{
    10 references
    public class Mahasiswa
    {
        3 references
        public string Nama { get; set; }
        3 references
        public string Nim { get; set; }
    }
}
```

POST/api/Mahasiswa



```
[
  {
    "nama": "Teman 1",
    "nim": "2311104001"
  },
  {
    "nama": "Teman 2",
    "nim": "2311104002"
  },
  {
    "nama": "RifqiMohamadRamdani",
    "nim": "2311104044"
  },
  {
    "nama": "Rifqi M Ramdani",
    "nim": "2311104044"
  },
  {
    "nama": "Hansohee",
    "nim": "1111111111"
  },
  {
    "nama": "Kang Mus",
    "nim": "5555555555"
  },
  {
    "nama": "Yamal",
    "nim": "19191919"
  }
]
```

GET/api/Mahasiswa/{index}



GET /api/Mahasiswa/{index}

Parameters

Name	Description
index <span style="color: red;">*</span> required	
integer(\$int32)	0
(path)	

Execute Clear

Responses

Curl

```
curl -X 'GET' \
'https://localhost:7148/api/Mahasiswa/0' \
-H 'accept: text/plain'
```

Request URL

```
https://localhost:7148/api/Mahasiswa/0
```

Server response

Code	Details
200	Response body

```
{
  "nama": "Nama Kamu",
  "nim": "2311104044"
}
```

DELETE/api/Mahasiswa/{index}

DELETE

/api/mahasiswa/{index}

Parameters

Cancel

Name	Description
index <div>required</div>	
<div>integer(\$int32)</div> <div>(path)</div>	<div>0</div>

Execute

Clear

Responses

Curl

```
curl -X 'DELETE' \
'https://localhost:7148/api/Mahasiswa/0' \
-H 'accept: text/plain'
```

Request URL

```
https://localhost:7148/api/Mahasiswa/0
```

Server response

Code	Details
200	<div>Response body</div> <div><pre>{   "nama": "RifqiMohamedRamdani",   "nim": "231104044" }</pre></div>