

```
MahasiswaController.cs*  Mahasiswa.cs  TP_MOD9_1302...058: Overview
TP_MOD9_1302213058  TP_MOD9_1302213058.Mahasiswa

1 namespace TP_MOD9_1302213058
2 {
3
4     11 references
5     public class Mahasiswa
6     {
7         //membuat setter getter agar bisa di implementasi di controller mahasiswa
8         5 references
9         public string Nama { get; set; }
10        5 references
11        public string Nim { get; set; }
12
13        //konstruktor default
14        5 references
15        public Mahasiswa()
16        {
17        }
```

```
MahasiswaController.cs*  Mahasiswa.cs  TP_MOD9_1302...058: Overview
TP_MOD9_1302213058  TP_MOD9_1302213058.Controllers.MahasiswaController  Delete(int index)

1 using Microsoft.AspNetCore.Http;
2 using Microsoft.AspNetCore.Mvc;
3
4 namespace TP_MOD9_1302213058.Controllers
5 {
6     [Route("api/[controller]")]
7     [ApiController]
8     0 references
9     public class MahasiswaController : ControllerBase
10    {
11        public static List<Mahasiswa> mahasiswa = new List<Mahasiswa>
12        {
13            new Mahasiswa(Nama = "Mochamad Rizky Evan Ramadhan", Nim = "1302213058"),
14            new Mahasiswa(Nama = "Kamal Maula Azka Shidqi", Nim = "1302210032"),
15            new Mahasiswa(Nama = "Herdj Ardana", Nim = "1302210070"),
16            new Mahasiswa(Nama = "Iqraj Nadhif", Nim = "1302210104"),
17            new Mahasiswa(Nama = "Maman Ar rasyid", Nim = "1302213080")
18        };
19
20        [HttpGet]
21        //membuat output list array dari objek mahasiswa di atas
22        0 references
23        public IEnumerable<Mahasiswa> Get()
24        {
25            return mahasiswa;
26        }
27
28        [HttpPost]
29        //membuat objek mahasiswa baru dan menambahkan objek menyertai nama dan nim yang sudah di buat di class Mahasiswa dengan menggunakan setter getter
30        0 references
31        public void Post([FromBody] Mahasiswa newmahasiswa)
32        {
33            mahasiswa.Add(newmahasiswa);
34        }
35
36        [HttpGet("index")]
37        //memanggil 1 objek mahasiswa menggunakan index array
38        0 references
39        public Mahasiswa Get(int index)
40        {
41            return mahasiswa[index];
42        }
43
44        [HttpDelete("index")]
45        //menghapus objek mahasiswa sesuai dengan array list nya
46        0 references
47    }
```

```
[HttpDelete("index")]
//menghapus objek mahasiswa sesuai dengan array list nya
0 references
public void Delete(int index)
{
    mahasiswa.RemoveAt(index);
}
```

DEMONSTRASI WEB API

GET/api/Mahasiswa

Mahasiswa

GET /api/Mahasiswa

Parameters

No parameters

Execute Clear

Responses

Curl

curl -X 'GET' \ 'https://localhost:7221/api/Mahasiswa' \ -H 'accept: text/plain'

Request URL

https://localhost:7221/api/Mahasiswa

Server response

Code Details

200

Response body

[{"nama": "Mochamad Rizky Evan Ramadhan", "nim": "1302213058"}, {"nama": "Kamal Maula Azka Shidqi", "nim": "1302210032"}, {"nama": "Herdi Ardana", "nim": "1302210078"}, {"nama": "Ignaj Nadhif", "nim": "1302210104"}, {"nama": "Naman Ar rasyid", "nim": "1302213088"}]

Response headers

POST /api/Mahasiswa

POST /api/Mahasiswa

Parameters Cancel Reset

No parameters

Request body application/json

```
{  
  "nama": "Jhon Doe",  
  "nim": "13022199999"  
}
```

Execute Clear

Responses

Curl

```
curl -X 'POST' \  
  'https://localhost:7221/api/Mahasiswa' \  
  -H 'accept: */*' \  
  -H 'Content-Type: application/json' \  
  -d '{  
    "nama": "Jhon Doe",  
    "nim": "13022199999"  
  }'
```

Request URL

```
https://localhost:7221/api/Mahasiswa
```

GET/api/Mahasiswa/index

GET

/api/Mahasiswa/index

^

Parameters

Cancel

Name	Description
index	
integer(\$int32)	0
(query)	

Execute

Clear

Responses

Curl

```
curl -X 'GET' \  
  'https://localhost:7221/api/Mahasiswa/index?index=0' \  
  -H 'accept: text/plain'
```

Request URL

https://localhost:7221/api/Mahasiswa/index?index=0

Server response

Code	Details
200	<div><div>Response body</div><div><pre>{ "nama": "Mochamad Rizky Evan Ramadhan", "nim": "1302213058" }</pre></div><div><div>Download</div></div></div> <div><div>Response headers</div><div><pre>content-type: application/json; charset=utf-8 date: Sun, 16 Apr 2023 19:26:38 GMT server: Kestrel</pre></div></div>

Responses

DELETE/api/Mahasiswa/index

DELETE /api/Mahasiswa/index ^

Parameters Cancel


Name	Description
index	<input type="text" value="0"/>
integer(\$int32)	
(query)	

ExecuteClear

Responses

Curl

```
curl -X 'DELETE' \  
'https://localhost:7221/api/Mahasiswa/index?index=0' \  
-H 'accept: */*'
```



Request URL

```
https://localhost:7221/api/Mahasiswa/index?index=0
```

Server response

Code	Details
------	---------

Cek sekali lagi GET/api/Mahasiswa

GET

/api/Mahasiswa

Parameters

Cancel

No parameters

Execute

Clear

Responses

Curl

```
curl -X 'GET' \
  'https://localhost:7221/api/Mahasiswa' \
  -H 'accept: text/plain'
```

Request URL

```
https://localhost:7221/api/Mahasiswa
```

Server response

Code

Details

200

Response body

```
[
  {
    "nama": "Kamal Maula Azka Shidqi",
    "nim": "1302210032"
  },
  {
    "nama": "Herdi Ardana",
    "nim": "1302210078"
  },
  {
    "nama": "IqnaJ Nadhif",
    "nim": "1302210104"
  },
  {
    "nama": "Maman Ar rasyid",
    "nim": "1302213088"
  },
  {
    "nama": "Jhon Doe",
    "nim": "13022199999"
  }
]
```

Download

Response headers

```
content-type: application/json; charset=utf-8
date: Sun, 16 Apr 2023 19:28:48 GMT
server: Kestrel
```