

Nama: Aulia Ahmad Ghaus Adzam

Kelas: SE-07-01

NIM: 2311104028

## Tugas Pendahuluan 9

- A. Mencoba “GET /api/mahasiswa” saat baru dijalankan (mengeluarkan list nama mahasiswa dan nim anggota kelompok)::

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

- Curl:** `curl -X 'GET' \ 'http://localhost:3000/api/mahasiswa' \ -H 'accept: application/json'`
- Request URL:** `http://localhost:3000/api/mahasiswa`
- Server response:** Status 200.
- Response body:** A JSON array containing five student objects.

```
[
  {
    "name": "Aulia Ahmad Ghaus Adzam",
    "nim": "2311104028"
  },
  {
    "name": "Ghaza Zidane Nurrainan",
    "nim": "2311104038"
  },
  {
    "name": "Satria Ramadan",
    "nim": "2311104040"
  },
  {
    "name": "Kelvin Ferdinand",
    "nim": "2311104040"
  },
  {
    "name": "Kevin Jonson",
    "nim": "2311104040"
  }
]
```

- B. Menambahkan mahasiswa => Nama: “John Doe” dan NIM: “1302199999” dengan “POST /api/mahasiswa”

The screenshot shows a REST client interface for a POST request to `/api/mahasiswa`. The request body is a JSON object: `{ "name": "John Doe", "nim": "1302199999" }`. The interface includes buttons for "Execute" and "Clear", and a "Request body" tab.

```
POST /api/mahasiswa Add a new mahasiswa
```

Parameters

No parameters

Request body *required* application/json

```
{  "name": "John Doe",  "nim": "1302199999"}
```

Execute Clear

- C. Cek list/array dari semua Mahasiswa lagi dengan “GET /api/Mahasiswa”, pastikan Mahasiswa yang baru ditambahkan sebelumnya sudah ada:

The screenshot shows the response of a GET request to `/api/Mahasiswa`. The response is a 200 status code with a JSON array of student objects. The response body is displayed in a dark theme with a "Download" button. The response headers are also visible.

Code Details

200

Response body

```
[  {    "name": "Aulia Ahmad Ghaus Adzan",    "nim": "2311104028"  },  {    "name": "Ghaza Zidane Nurraihan",    "nim": "2311104038"  },  {    "name": "Satria Ramadan",    "nim": "23111040"  },  {    "name": "Kelvin Ferdinand",    "nim": "23111040"  },  {    "name": "Kevin Jonson",    "nim": "23111040"  },  {    "name": "John Doe",    "nim": "1302199999"  }]
```

Response headers

```
connection: keep-alive
content-length: 276
content-type: application/json; charset=utf-8
date: Sun, 27 Apr 2025 06:19:07 GMT
etag: W/"114-/kQqFPecHqYHDMHLLVH+1KY+g"
keep-alive: timeout=5
x-powered-by: Express
```

Download

- D. Mencoba meminta mahasiswa dengan index 0, “GET /api/mahasiswa/0” yang seharusnya mengeluarkan nama dan nim anda:”

The screenshot shows a REST client interface with a GET request to `/api/mahasiswa/{id}`. The parameter `id` is set to 0. The response is a 200 status code with a JSON body containing the student's name and nim.

**Parameters**

Name	Description
<b>id</b> * required integer (path)	Index of mahasiswa

Execute Clear

**Server response**

Code	Details
200	<p><b>Response body</b></p> <pre>{   "name": "Aulia Ahmad Ghaus Adzam",   "nim": "2311104028" }</pre> <p><b>Response headers</b></p> <pre>connection: keep-alive content-length: 53 content-type: application/json; charset=utf-8 date: Sun, 27 Apr 2025 06:20:37 GMT etag: W/"35-BDAF671MgGd1nP20j9owfH1jdR8" keep-alive: timeout=5 x-powered-by: Express</pre>

- E. Menghapus objek mahasiswa dengan index ke-0 dengan “DELETE /api/mahasiswa/0”

The screenshot shows a REST client interface with a DELETE request to `/api/mahasiswa/{id}`. The parameter `id` is set to 0. The response section shows the curl command and the request URL.

**Parameters**

Name	Description
<b>id</b> * required integer (path)	Index of mahasiswa

Execute Clear

**Responses**

**Curl**

```
curl -X 'DELETE' \
'http://localhost:3000/api/mahasiswa/0' \
-H 'accept: */*'
```

**Request URL**

```
http://localhost:3000/api/mahasiswa/0
```

- F. Cek list/array dari semua mahasiswa sekali lagi dengan “GET /api/mahasiswa”, pastikan nama anda sudah tidak muncul di list tersebut:

200

Response body

```
[
  {
    "name": "Ghaza Zidane Murrailhan",
    "nim": "2311104038"
  },
  {
    "name": "Satria Ramadan",
    "nim": "23111040"
  },
  {
    "name": "Kelvin Ferdinand",
    "nim": "23111040"
  },
  {
    "name": "Kevin Jonson",
    "nim": "23111040"
  },
  {
    "name": "John Doe",
    "nim": "1302199999"
  }
]
```

Response headers

Download