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Jurnal Modul 9

A. Mencoba “GET /api/Mahasiswa:

The screenshot displays a REST client interface with the following sections:

- Responses:** A section at the top with a 'Curl' tab showing the command: `curl -X 'GET' \ 'http://localhost:3000/api/mahasiswa' \ -H 'accept: application/json'`.
- Request URL:** A text field containing `http://localhost:3000/api/mahasiswa`.
- Server response:** A section showing a status code of **200**.
- Response body:** A large text area containing a JSON array of student data:

```
{
  "name": "Aulia Ahmad Ghaus Adzam",
  "nim": "2311104028",
  "course": [
    "Software Engineer",
    "API Developer"
  ],
  "year": 2023
},
{
  "name": "Ghaza Zidane Nurraihan",
  "nim": "2311104038",
  "course": [
    "Designer",
    "UI/UX"
  ],
  "year": 2023
},
{
  "name": "Satria Ramadan",
  "nim": "23111040",
  "course": [
    "Web Dev",
    "Cyber Security"
  ],
  "year": 2023
},
{
  "name": "Khalid Ferdinand"
}
```
- Response headers:** A section at the bottom showing headers: `content-length: 496`, `content-type: application/json; charset=utf-8`, `date: Sun, 27 Apr 2025 04:32:30 GMT`, `etag: W/"1f0-SQq1DQBA/O11CyIGHMOKck7CYWA"`, and `x-powered-by: Express`.

B. Menambahkan Mahasiswa baru API pada bagian “POST /api/Mahasiswa”

The screenshot displays a REST client interface for a POST request:

- Request body:** A text area containing a JSON object for a new student:

```
{
  "name": "Bradd Pitt",
  "nim": "2311104067",
  "course": [
    "Acting"
  ],
  "year": 2023
}
```
- Content-Type:** A dropdown menu set to `application/json`.
- Buttons:** At the bottom, there are two buttons: **Execute** (in blue) and **Clear** (in light gray).

Curl

```
curl -X 'POST' \
  'http://localhost:3000/api/mahasiswa' \
  -H 'accept: */*' \
  -H 'Content-Type: application/json' \
  -d '{
    "name": "Bradd Pitt",
    "nim": "2311104067",
    "course": [
      "Acting"
    ],
    "year": 2023
  }'
```

Request URL

http://localhost:3000/api/mahasiswa

Server response

Code	Details
201	<p>Response body</p> <p>Mahasiswa added</p> <p>Download</p> <p>Response headers</p> <pre>connection: keep-alive content-length: 15 content-type: text/html; charset=utf-8 date: Sun, 27 Apr 2025 04:38:06 GMT etag: W/"f-uXqbnGNb3zR7w8Q6p6Zlrq7JE" keep-alive: timeout=5 x-powered-by: Express</pre>

Responses

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

```
{
  "name": "Bradd Pitt",
  "nim": "2311104067",
  "course": [
    "Acting"
  ],
  "year": 2023
}
```

Response headers

```
connection: keep-alive
content-length: 569
content-type: application/json; charset=utf-8
date: Sun, 27 Apr 2025 04:41:15 GMT
etag: W/"239-v1oCT3hs4ly6ZBpgEZanyTtPY2o"
keep-alive: timeout=5
x-powered-by: Express
```

- D. Mencoba meminta Mahasiswa dengan index 5, “GET /api/Mahasiswa/5” yang seharusnya mengembalikan Mahasiswa yang baru saja ditambah:

id required

integer

(path)

Index of mahasiswa

5

Execute

Clear

Responses


Curl

```
curl -X 'GET' \
'http://localhost:3000/api/mahasiswa/5' \
-H 'accept: application/json'
```

Request URL

```
http://localhost:3000/api/mahasiswa/5
```

Server response

Code	Details
200	<div><div>Response body</div><div><pre>{ "name": "Brend Pitt", "nim": "2311104067", "course": { "Acting" }, "year": 2023 }</pre></div><div> Download</div></div> <div><div>Response headers</div><div><pre>content-length: 72 content-type: application/json; charset=utf-8 date: Sun, 27 Apr 2025 04:43:37 GMT etag: W/"48-1b9pdqz6t9p18UchwthQV0c70U" x-powered-by: Express</pre></div></div>

- E. Menghapus objek Mahasiswa dengan index ke-1 dengan “DELETE /api/Mahasiswa/1”

Responses


Curl

```
curl -X 'DELETE' \
'http://localhost:3000/api/mahasiswa/1' \
-H 'accept: */*'
```

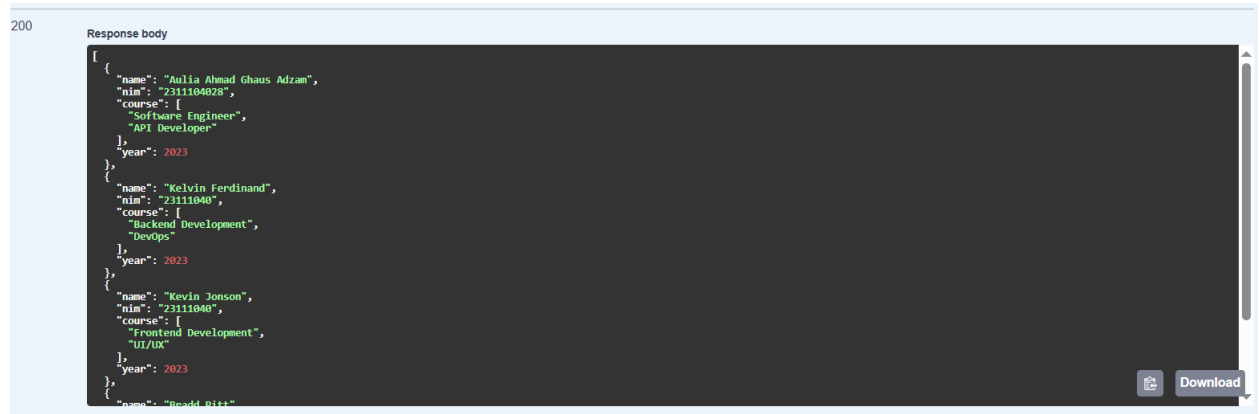
Request URL

```
http://localhost:3000/api/mahasiswa/1
```

Server response

Code	Details
200	<div><div>Response body</div><div><pre>Mahasiswa deleted</pre></div><div> Download</div></div> <div><div>Response headers</div><div><pre>connection: keep-alive content-length: 17 content-type: text/html; charset=utf-8 date: Sun, 27 Apr 2025 04:46:15 GMT etag: W/"11-j29b8Nubs49U4aYqbN00RVXr46t1" keep-alive: timeout=5 x-powered-by: Express</pre></div></div>

- F. Cek list/array dari semua Mahasiswa sekali lagi dengan “GET /api/Mahasiswa” maka Mahasiswa dengan index 1 telah hilang



The screenshot shows a REST client interface with a status code of 200 and a response body containing a JSON array of three student objects. The first student is Aulia Ahead Ghaus Adzam, the second is Kelvin Ferdinand, and the third is Kevin Jonson. The student with index 1 (Gaza Zidane Nurraihan) is missing from the list.

```
{
  "name": "Aulia Ahead Ghaus Adzam",
  "nim": "2311104028",
  "course": [
    "Software Engineer",
    "API Developer"
  ],
  "year": 2023
},
{
  "name": "Kelvin Ferdinand",
  "nim": "231110440",
  "course": [
    "Backend Development",
    "DevOps"
  ],
  "year": 2023
},
{
  "name": "Kevin Jonson",
  "nim": "231110440",
  "course": [
    "Frontend Development",
    "UI/UX"
  ],
  "year": 2023
},
{
  "name": "Gaza Zidane Nurraihan"
}
```

Gaza zidane nurraihan merupakan Mahasiswa dengan index ke 1 dan sekaranghg udah hilang.