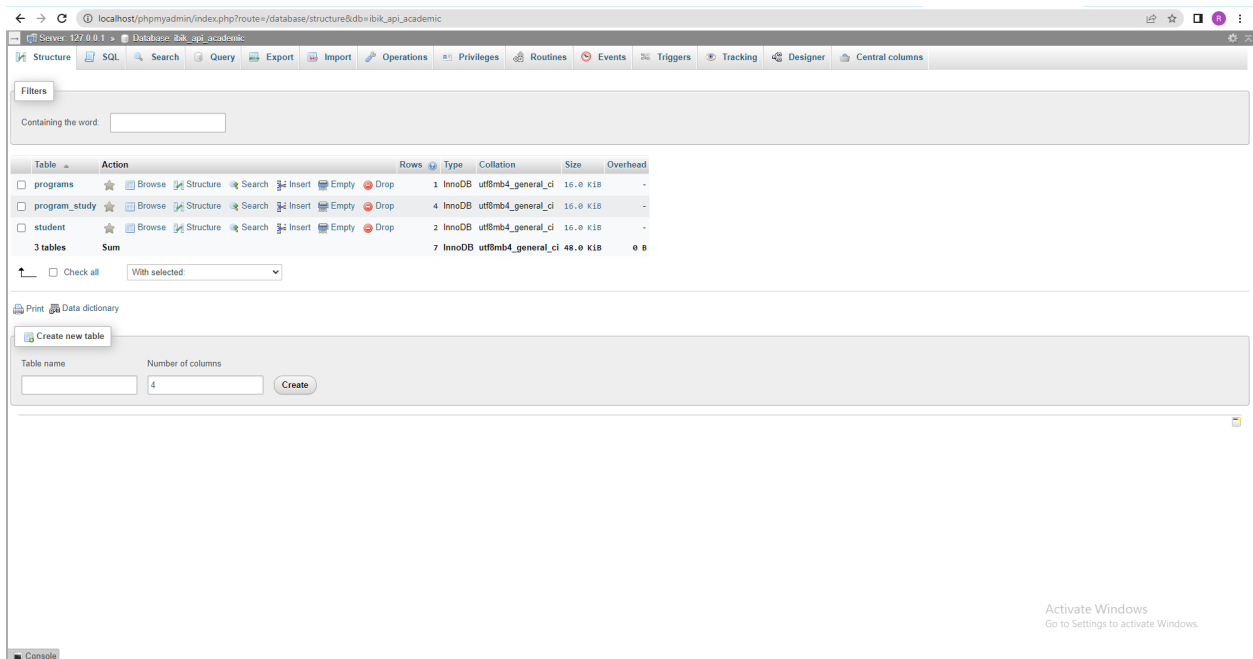


# Laporan Materi 3 Microservices

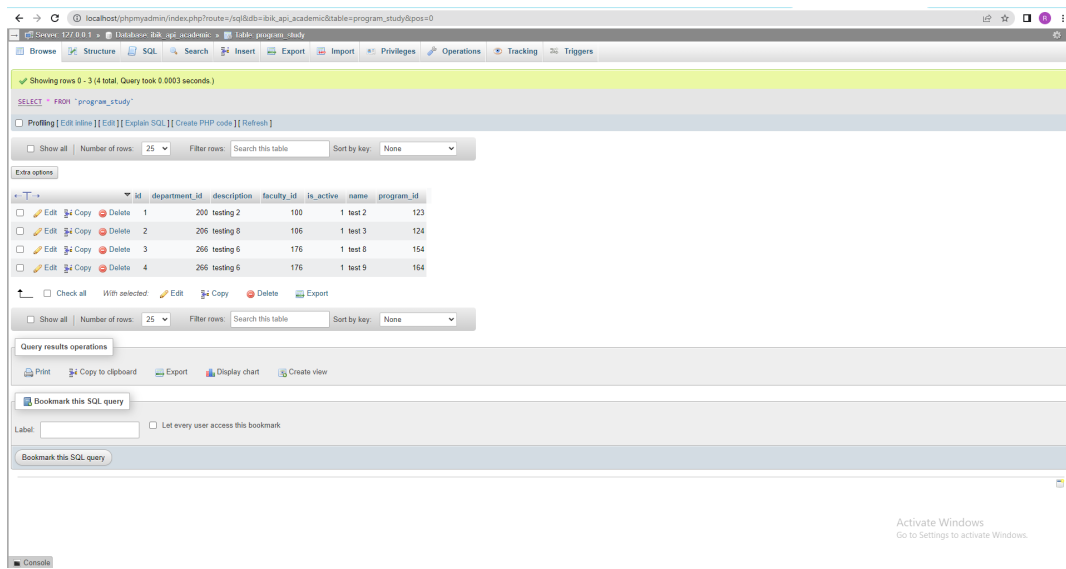
## Hasil Output Rest API Pada Postman

Nama : Ryan Roshandy Sachio  
NPM : 202310055  
Kelas : 20-TI-PA

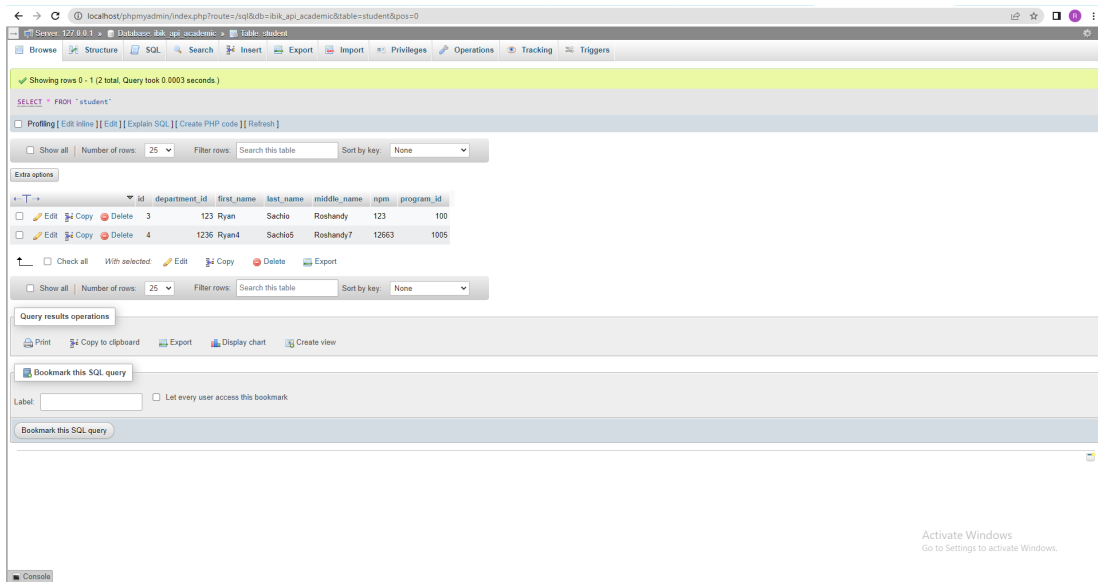
### 1. Database Localhost Mysql



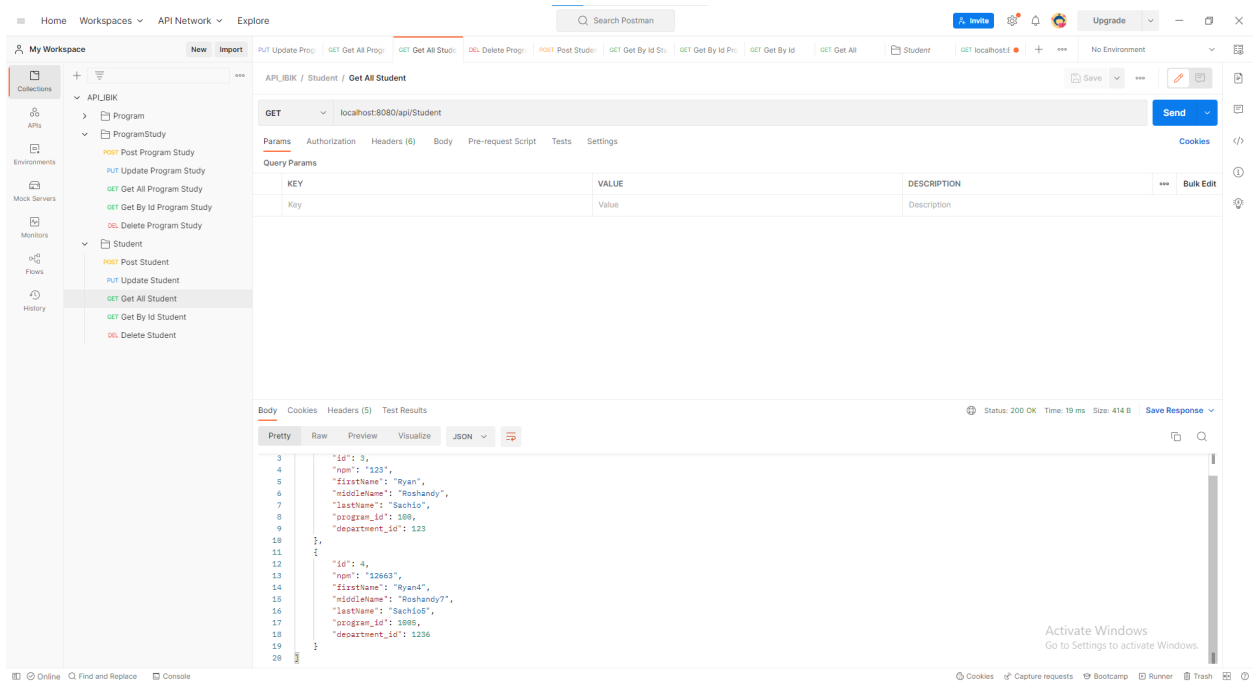
#### a. Node Program Study



## b. Node Student

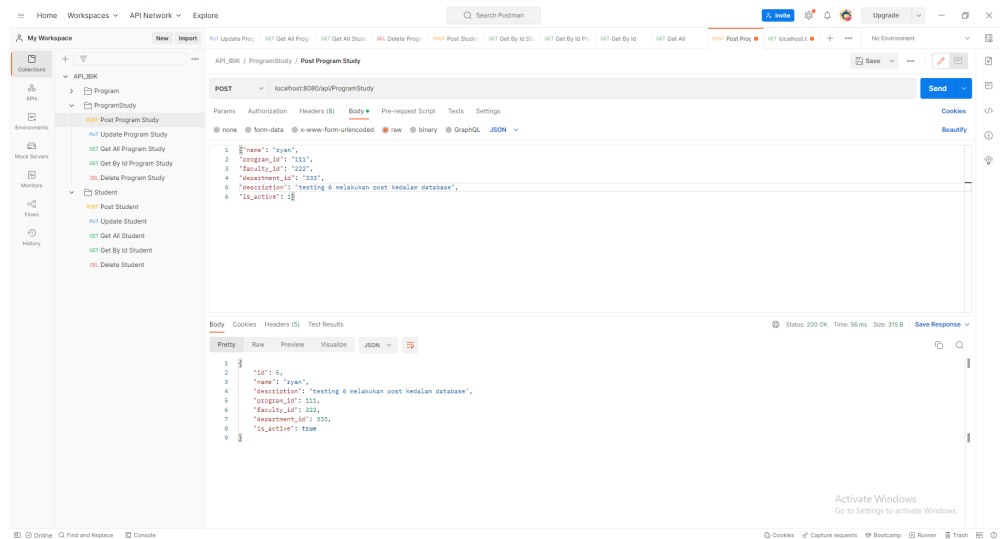
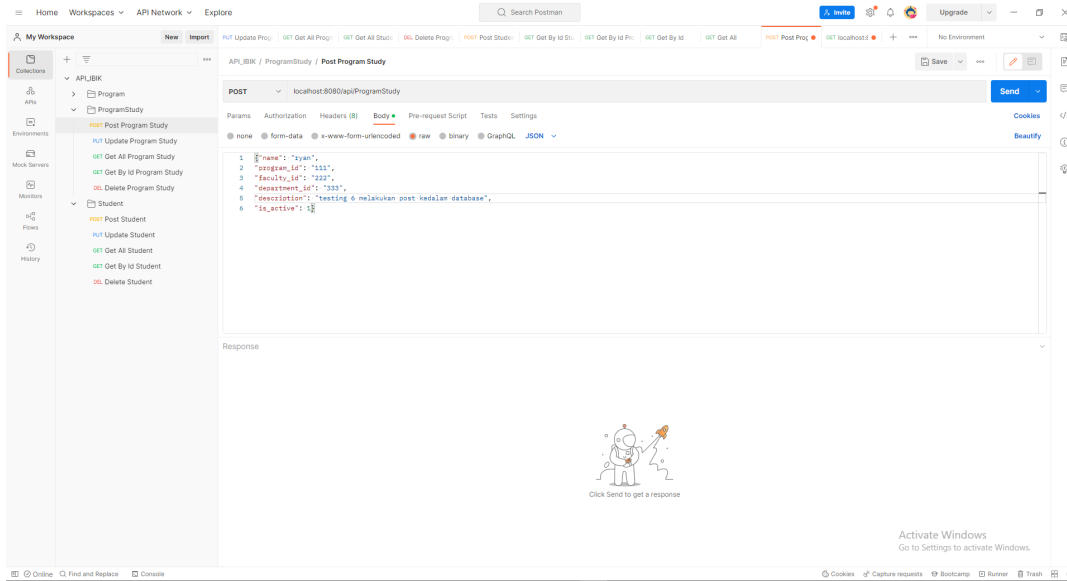


## 2. Postman Folder and Request

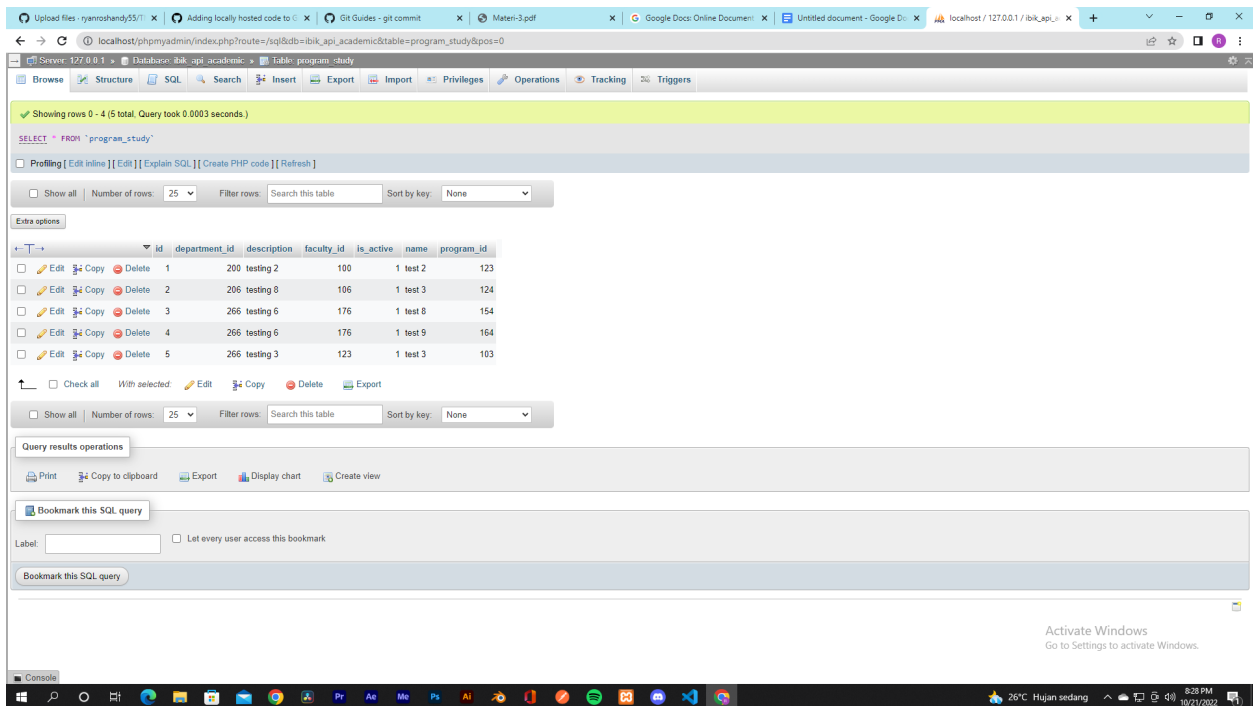
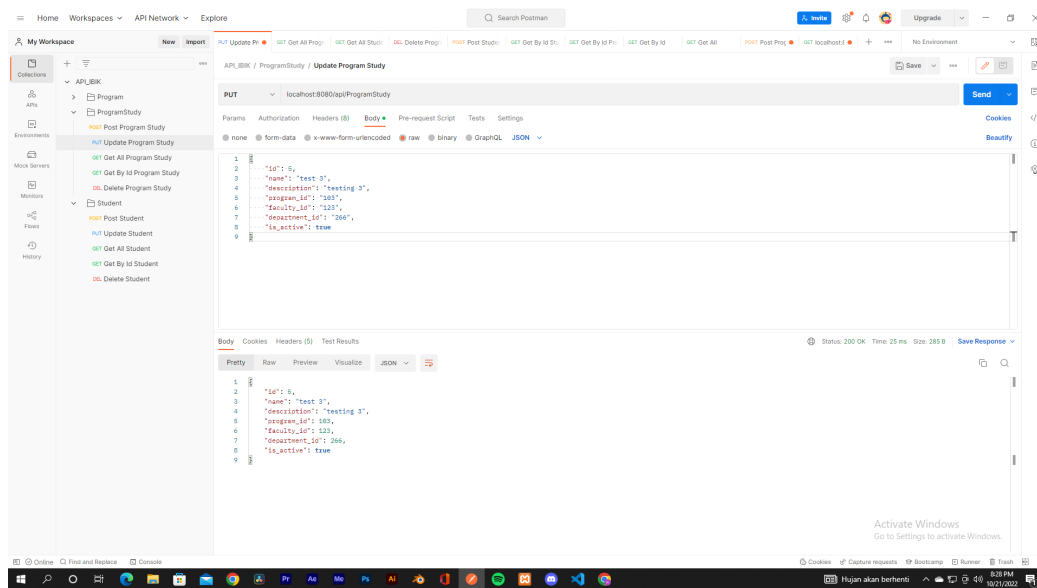


## A. Node Program Study

### 1. Post



## 2. Update



### 3. Get All

The screenshot shows the Postman interface with a GET request to `localhost:8080/api/ProgramStudy`. The response is a JSON array of 9 program study objects. The status is 200 OK, and the response size is 775 B.

```
13 {
14   "name": "test 3",
15   "description": "testing 8",
16   "program_id": 124,
17   "faculty_id": 186,
18   "department_id": 266,
19   "is_active": true
20 },
21 {
22   "id": 3,
23   "name": "test 8",
24   "description": "testing 6",
25   "program_id": 164,
26   "faculty_id": 176,
27   "department_id": 266,
28   "is_active": true
29 },
30 {
31   "id": 4,
32   "name": "test 9",
33   "description": "testing 6",
34   "program_id": 164,
35   "faculty_id": 176,
36   "department_id": 266,
37   "is_active": true
38 },
39 {
40   "id": 8,
41   "name": "test 3",
42   "description": "testing 3",
43   "program_id": 183,
44   "faculty_id": 123,
45   "department_id": 266,
46   "is_active": true
47 }
```

### 4. Get by Id Mengambil Id no 5

The screenshot shows the Postman interface with a GET request to `localhost:8080/api/ProgramStudy/5`. The response is a 404 Not Found error. The status is 404 Not Found, and the response size is 0 B.

Click Send to get a response

HomeWorkspacesAPI NetworkExplore

Search Postman

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My Workspace

NewImport

PUT Update ProgGET Get All ProgGET Get All StudDEL Delete ProgPOST Post StudGET Get By Id StudGET Get By Id GET Get By Id GET Get All POST Post ProgGET localhost GET localhost

APIs

Environments

Mock Servers

Monitors

Flows

History

APIs

Program

ProgramStudy

POST Post Program Study

PUT Update Program Study

GET Get All Program Study

GET Get By Id Program Study

DELETE Delete Program Study

Student

POST Post Student

PUT Update Student

GET Get All Student

GET Get By Id Student

DELETE Delete Student

APIs / ProgramStudy / Get By Id Program Study

GETlocalhost:8080/api/ProgramStudy/5

Send

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

BodyCookiesHeaders (5)Test Results

Status: 200 OKTime: 13 msSize: 285 BSave Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "id": 5,
3   "name": "test 3",
4   "description": "testing 3",
5   "program_id": 103,
6   "faculty_id": 123,
7   "department_id": 206,
8   "is_active": true
9 }
```

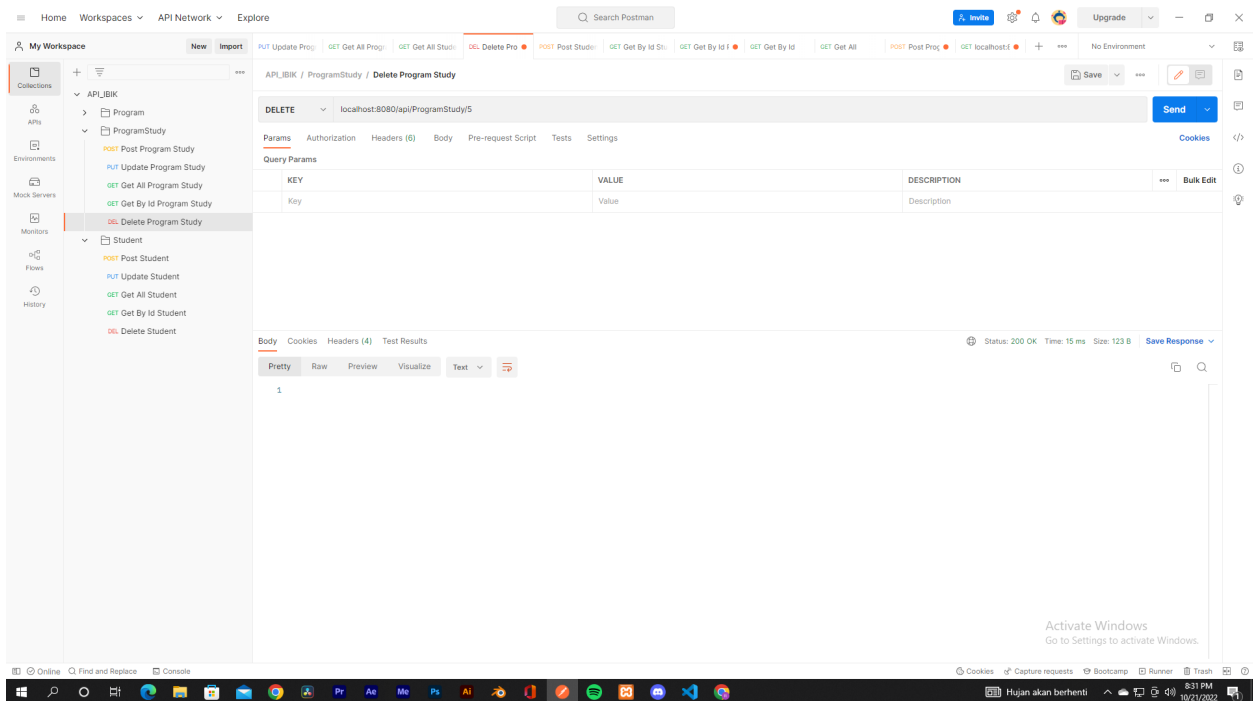
Activate Windows  
Go to Settings to activate Windows.

OnlineFind and ReplaceConsole

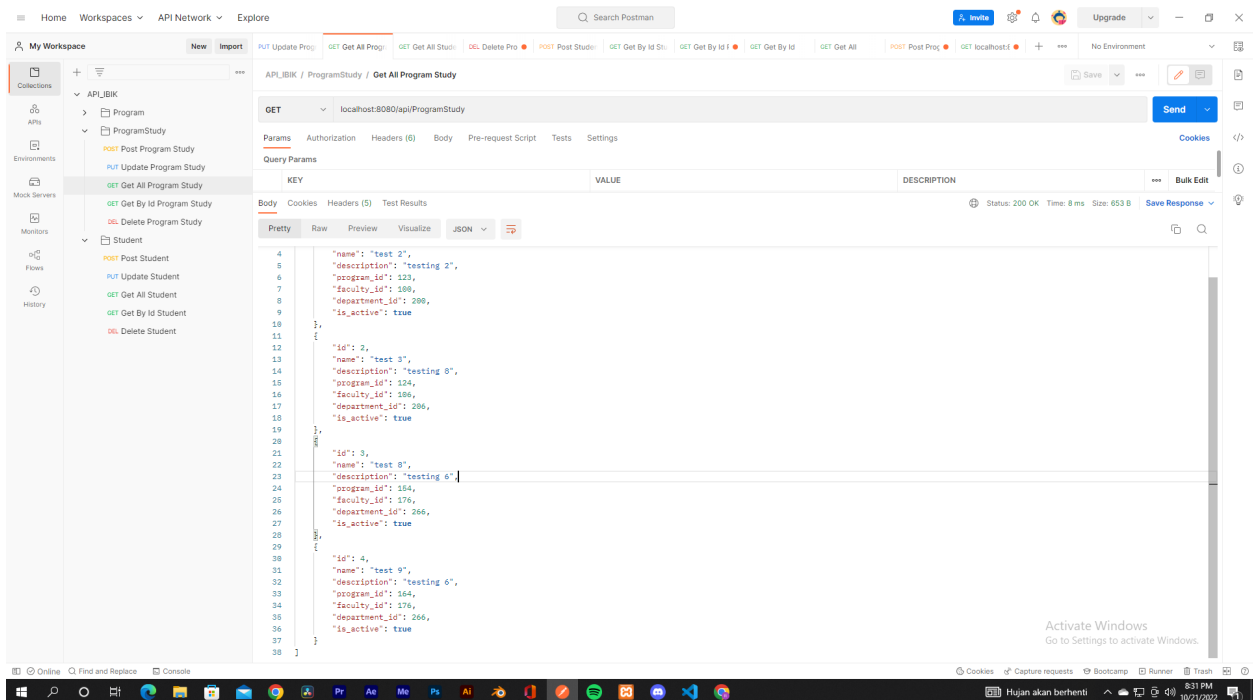
CookiesCapture requestsBackstopRunnersTrash

Hujan akan berhenti8:38 PM18/11/2022

## 5. Delete by Id Melakukan delete pada database dengan id 5



Setelah di cek pada get all, maka data dengan id no 5 selesai.



## Pada localhost database

The screenshot shows the phpMyAdmin interface for a database named 'ibik'. The 'program\_study' table is selected, and the SQL query 'SELECT \* FROM `program\_study`' is entered. The table contains 4 rows of data:

id	department_id	description	faculty_id	is_active	name	program_id
1	200	testing 2	100	1	test 2	123
2	206	testing 8	106	1	test 3	124
3	266	testing 6	176	1	test 8	154
4	266	testing 6	176	1	test 9	164

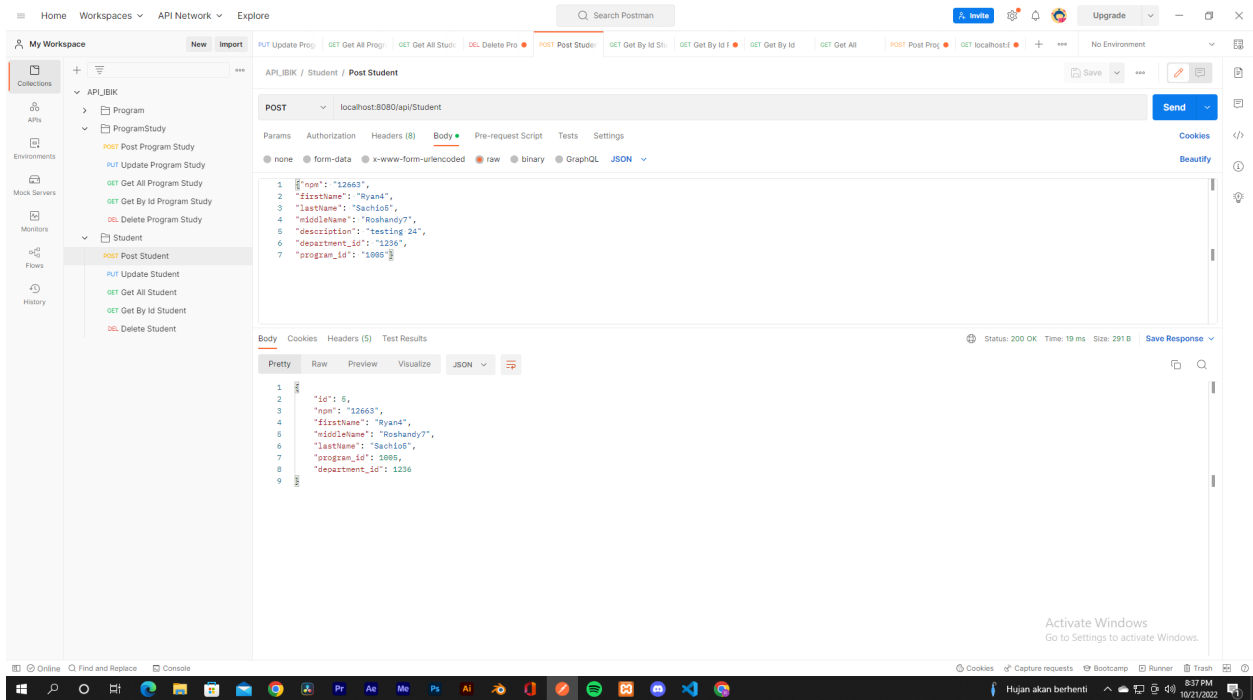
## B. Node Student

### 1. Post

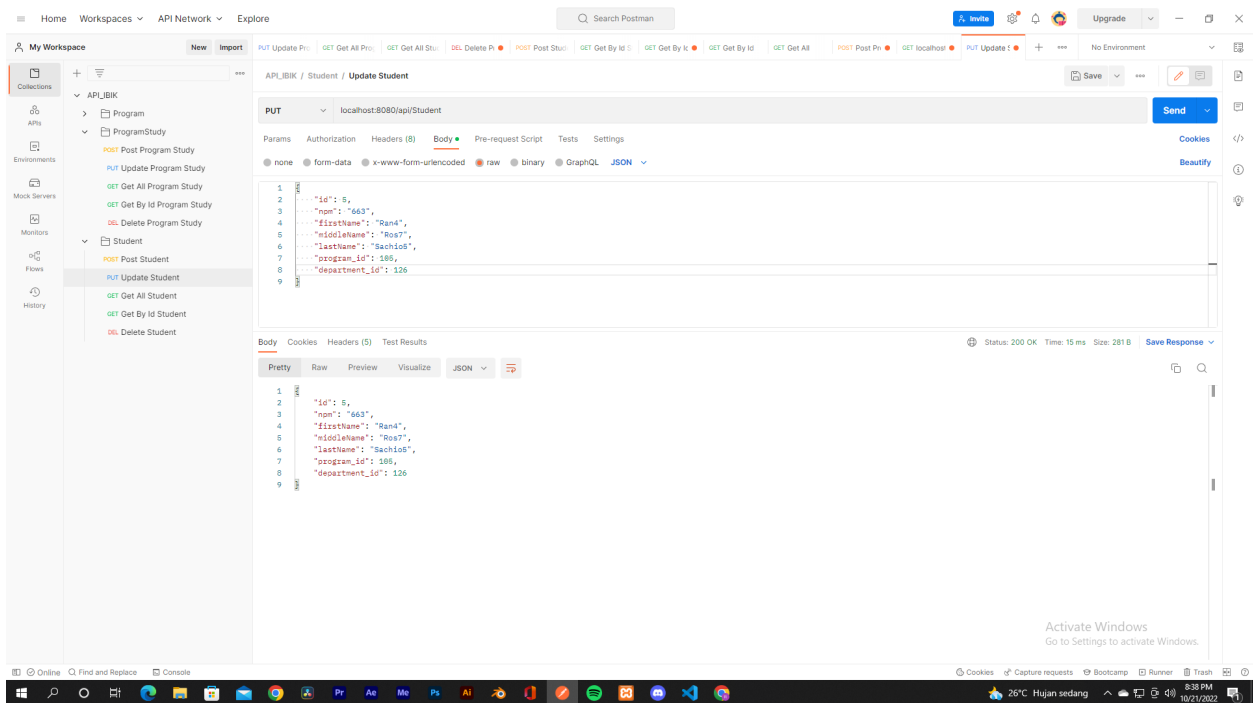
The screenshot shows the Postman interface with a POST request to 'localhost:8080/api/Student'. The request body is a JSON object:

```
{
  "nom": "12663",
  "firstName": "Ryan",
  "lastName": "Sachio",
  "middleName": "Roshandy",
  "description": "testing 24",
  "department_id": "1234",
  "program_id": "1000"
}
```





## 2. Update



## 3. Get all

Postman interface showing a GET request to `localhost:8080/api/Student`. The response body is a JSON array of student objects:

```
[{"id": 4, "npm": "12663", "firstName": "Myan4", "middleName": "Roshandy7", "lastName": "Sachio8", "program_id": 1005, "department_id": 1236}, {"id": 5, "npm": "663", "firstName": "Rand", "middleName": "Ros7", "lastName": "Sachio8", "program_id": 105, "department_id": 126}]
```

#### 4. Get by Id

Postman interface showing a GET request to `localhost:8080/api/Student/4`. The response body is a JSON object representing a single student:

```
{ "id": 4, "npm": "663", "firstName": "Rand", "middleName": "Ros7", "lastName": "Sachio8", "program_id": 105, "department_id": 126 }
```

#### 5. Delete by Id

Home Workspaces API Network Explore

Search Postman

My Workspace

API\_BIK

Program

ProgramStudy

Post Program Study

Update Program Study

Get All Program Study

Get By Id Program Study

Delete Program Study

Student

Post Student

Update Student

Get All Student

Get By Id Student

Delete Student

DELETE localhost:8080/api/Student/5

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (4) Test Results

Status: 200 OK Time: 14 ms Size: 123 B Save Response

1

Activate Windows Go to Settings to activate Windows.

Home Workspaces API Network Explore

Search Postman

My Workspace

API\_BIK

Program

ProgramStudy

Post Program Study

Update Program Study

Get All Program Study

Get By Id Program Study

Delete Program Study

Student

Post Student

Update Student

Get All Student

Get By Id Student

Delete Student

GET localhost:8080/api/Student

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 13 ms Size: 414 B Save Response

```
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
{"id": 3,
  "npm": "123",
  "firstName": "Ryan",
  "middleName": "Roshandy",
  "lastName": "Sachio",
  "program_id": 100,
  "department_id": 123
},
{"id": 4,
  "npm": "12663",
  "firstName": "Ryan4",
  "middleName": "Roshandy7",
  "lastName": "Sachio5",
  "program_id": 1006,
  "department_id": 1236
}
```

Activate Windows Go to Settings to activate Windows.