

Nama :

- Vannesa Kilis
- Preti Lamalo
- Athalia Rupilu

Report Demo API Postman

1. (20%) Database server

```
root@vannesa-server: /home/nmsa

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Thu Feb 29 09:51:40 2024 from 36.85.220.255
root@vannesa-server:~# sudo su
root@vannesa-server:/home/nmsa# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 12
Server version: 8.0.36-0ubuntu0.22.04.1 (Ubuntu)

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> SHOW DATABASES;
+-----+
| Database |
+-----+
| db_attendance |
| db_unklab |
| db_vannesa |
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
5 rows in set (0.01 sec)

mysql> USE db_attendance;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> SHOW TABLES;
+-----+
| Tables_in_db_attendance |
+-----+
| tbl_operator |
| tbl_students |
+-----+
2 rows in set (0.00 sec)

mysql> SELECT * FROM tbl_operator;
```

Disini kita buat database baru yang diberi nama “db_attendance”. Dalam database ini kita buat 2 table yaitu “tbl_operator” dan “tbl_students”. Kemudian insert data-data ke dalam kedua table tersebut.

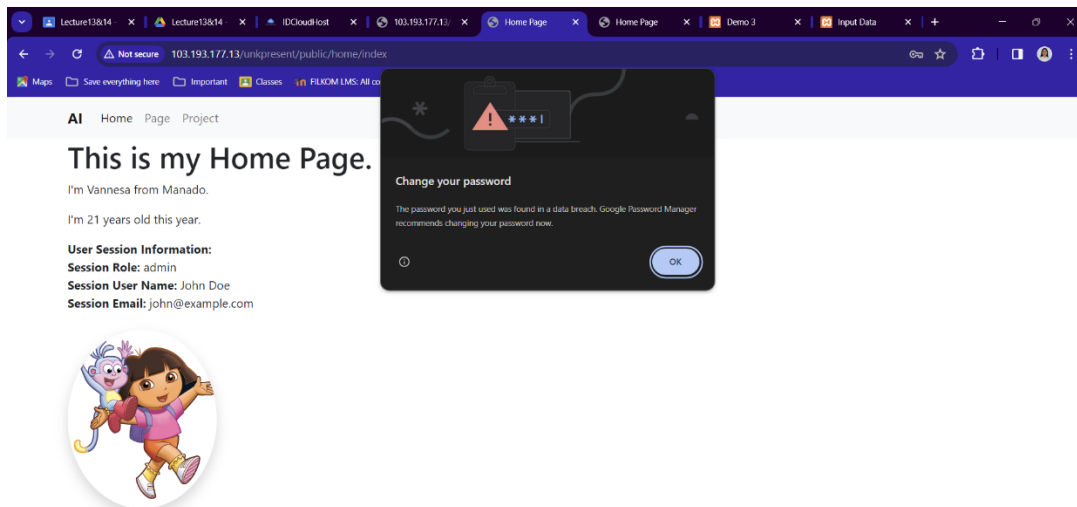
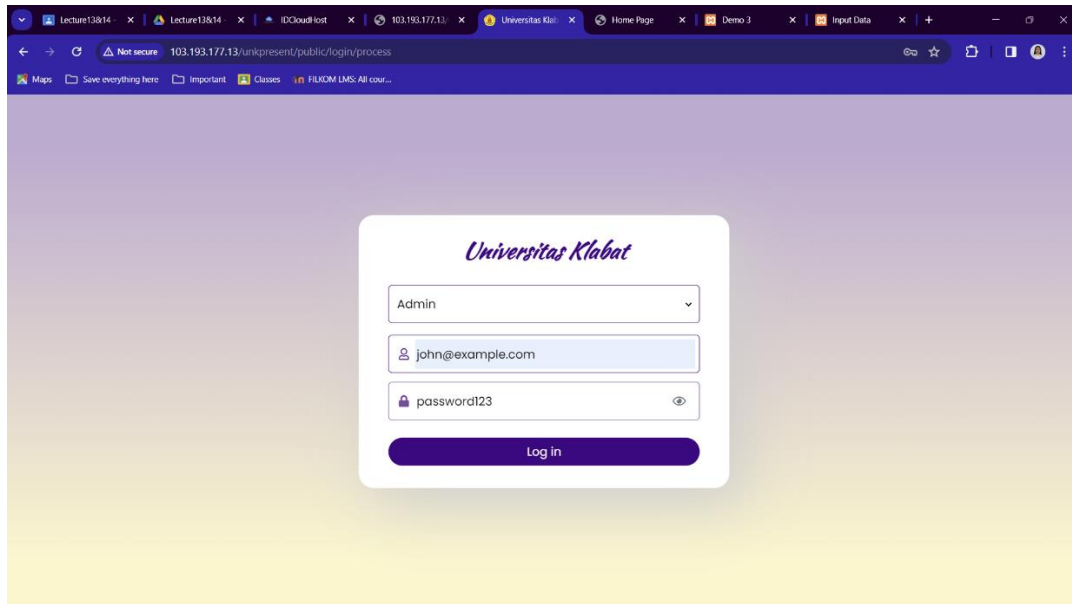
```
root@vannesa-server: /home/nmsa

mysql> SELECT * FROM tbl_operator;
+----+-----+-----+-----+-----+-----+-----+
| nip | email | updated_at | fullname | password | phone_number | role | created_at |
+----+-----+-----+-----+-----+-----+-----+
| 1234567890 | john@example.com | 2024-02-29 04:06:06 | John Doe | password123 | 081234567890 | admin | 2024-02-29 04:06:06 |
| 0987654321 | jane@example.com | 2024-02-29 04:06:06 | Jane Smith | password456 | 087654321098 | staff | 2024-02-29 04:06:06 |
| 2468013579 | bob@example.com | 2024-02-29 04:06:06 | Bob Johnson | password789 | 082468013579 | staff | 2024-02-29 04:06:06 |
| 1357902468 | alice@example.com | 2024-02-29 04:06:06 | Alice Brown | passwordabc | 081357902468 | staff | 2024-02-29 04:06:06 |
| 3141592653 | jim@example.com | 2024-02-29 04:06:06 | Jim Black | passworddef | 083141592653 | admin | 2024-02-29 04:06:06 |
+----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> SELECT * FROM tbl_students;
```

2. (20%) Login Form

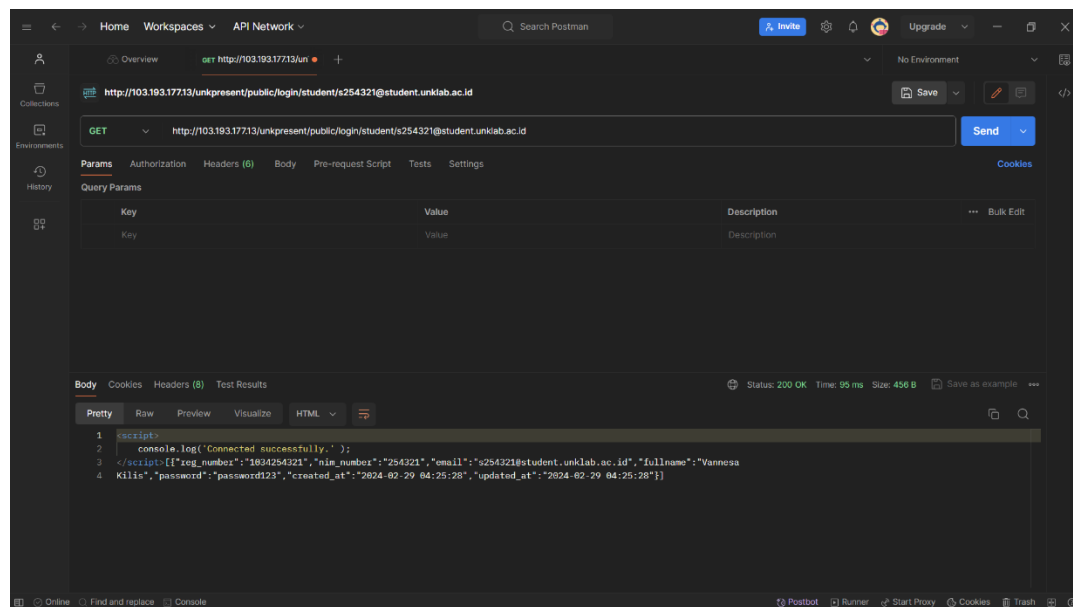
Ini adalah tampilan login setelah kita melakukan step by step dari create project directory yaitu kita membuat folder unkpresent dengan command “sudo mkdir -p /var/www/html/unkpresent”. Setelah itu kita ubah file “config.php”. Kemudian kita modifikasi file “home.php”. Kemudian pada file “login.php” kita tambahkan sebuah file di dalam controller directory. Lalu kita modifikasi inti di file “App.php”, dan juga file “Controller.php”. Kemudian tambahkan core file “Database.php” ke dalam project kita. Kemudian add model pada file “Login_model.php”. Lalu Modifikasi file “default.php” pada component view untuk menampilkan data yang di tamping ada variable session. Kemudian create folder “login” dan file “index.php”. Setelah itu kita modifikasi file “init.php”.



3. (20%) API Postman

Setelah kita mempelajari framework yang sudah digunakan untuk membuat login form. Sekarang kita akan membuat simple RESTful API untuk mengambil atau menampilkan **data mahasiswa**. Dalam local PC, kita akan tangkap menggunakan php dan jquery ajax, kemudian menampilkan data dari RESTful API tersebut di dalam table HTML. Kemudian pada file **login.php** kita tambahkan sebuah method **student** di controller login. Kemudian tambahkan sebuah method **get_student_info** di model Login pada file **Model_login.php**.

Dan ini adalah output dari RESTful API.





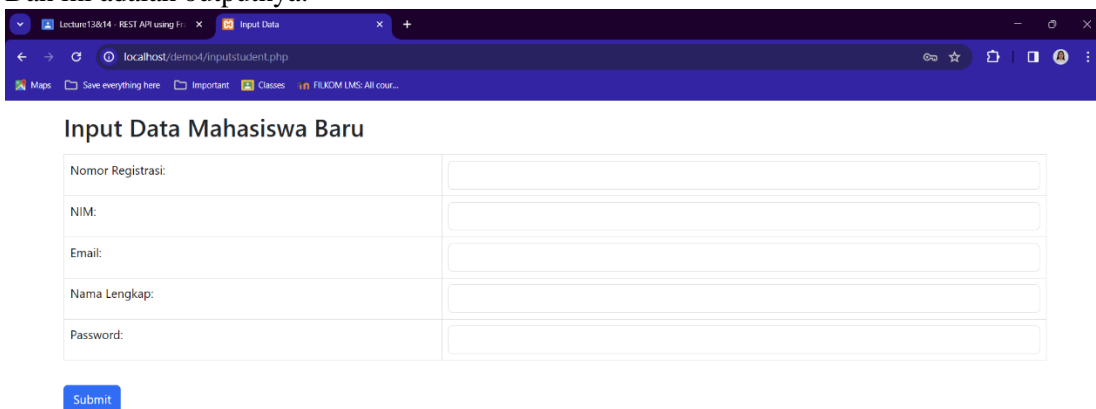
Reg Number	NIM Number	Email	Fullname	Password	Created At	Updated At
1034254321	254321	s254321@student.unklab.ac.id	Vannesa Kilis	password123	2024-02-29 04:25:28	2024-02-29 04:25:28

4. (20%) Read data from API

Pada bagian ini, kita harus membuat sebuah form PHP sederhana untuk input data mahasiswa baru ke dalam database di cloud server. Kemudian kita buat sebuah fungsi simple RESTful API untuk handle input data mahasiswa baru ke dalam **tbl_students** di cloud server. Lalu kita akan tampilkan data mahasiswa dalam table HTML dari framework PHP yang telah dibuat pada saat operator/dosen login maka table akan terupdate dengan current data yang akan ada di database cloud server.

Kita juga harus create **input form bootstrap 5**.

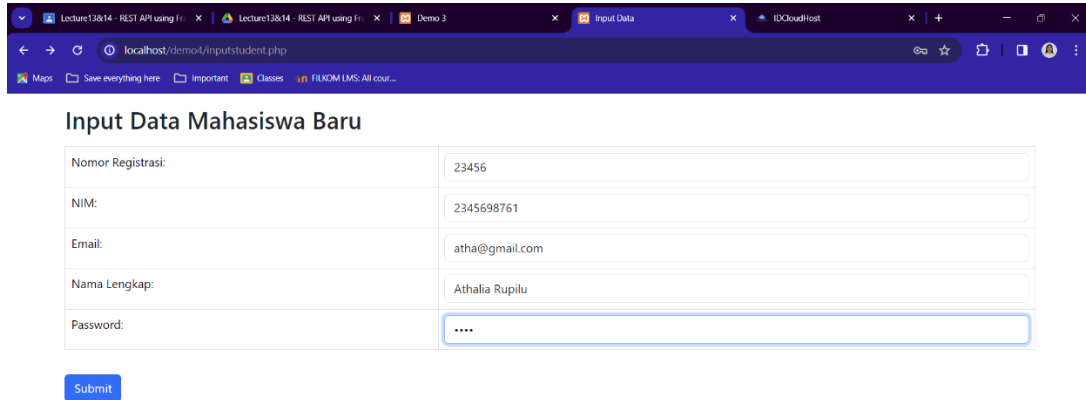
Dan ini adalah outputnya.



Input Data Mahasiswa Baru

Nomor Registrasi:	<input type="text"/>
NIM:	<input type="text"/>
Email:	<input type="text"/>
Nama Lengkap:	<input type="text"/>
Password:	<input type="password"/>

5. (20%) Insert/push data to database
Disini kita coba untuk insert data ke dalam database.



The screenshot shows a web browser window with the address bar displaying 'localhost/demo4/inputstudent.php'. The page title is 'Input Data Mahasiswa Baru'. Below the title is a form with five input fields and a submit button. The fields are labeled 'Nomor Registrasi:', 'NIM:', 'Email:', 'Nama Lengkap:', and 'Password:'. The values entered are '23456', '2345698761', 'atha@gmail.com', 'Athalia Rupilu', and '....' respectively. The submit button is blue and labeled 'Submit'.

Nomor Registrasi:	23456
NIM:	2345698761
Email:	atha@gmail.com
Nama Lengkap:	Athalia Rupilu
Password:

Ini adalah output berupa pesan bahwa data yang kita input telah berhasil.



```
root@kali:~/anaconda3/envs/home/nausa# cat /root/.ssh/authorized_keys
| password | created_at | updated_at | | | | |
|---|---|---|---|---|---|---|
| 1034854321 | 854321 | s854321@student.unklab.ac.id | John Doe | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 103454321 | 54321 | s54321@student.unklab.ac.id | Areriz Lucas | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 1034154321 | 154321 | s154321@student.unklab.ac.id | Kim Seokjin | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 1034254321 | 254321 | s254321@student.unklab.ac.id | Vanessa Willis | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 1034454321 | 454321 | s454321@student.unklab.ac.id | Preti Lamalo | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 1034354321 | 354321 | s354321@student.unklab.ac.id | Jeon Jungkook | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 103464321 | 64321 | s64321@student.unklab.ac.id | Kim Taehyung | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 1034754321 | 754321 | s754321@student.unklab.ac.id | Kim Namjoon | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 1034854321 | 854321 | s854321@student.unklab.ac.id | Jung Hoseok | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 1034954321 | 954321 | s954321@student.unklab.ac.id | Park Jimin | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 1034124321 | 124321 | s124321@student.unklab.ac.id | Min Yoongi | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 12345 | 123459876 | pretty@gmail.com | Pretty Marchela Lamalo | password123 | 2024-02-29 21:31:04 | 2024-02-29 21:31:04 |
| 123456 | 123459876 | atha@gmail.com | Aethalia Rapihu | athena | 2024-02-29 21:34:04 | 2024-02-29 21:34:04 |

2 rows in set (0.00 sec)

mysql> SELECT * FROM tbl_students;
+-----+-----+-----+-----+-----+-----+-----+
| reg_number | nim_number | email | fullname | password | created_at | updated_at |
+-----+-----+-----+-----+-----+-----+-----+
| 1034854321 | 854321 | s854321@student.unklab.ac.id | John Doe | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 103454321 | 54321 | s54321@student.unklab.ac.id | Areriz Lucas | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 1034154321 | 154321 | s154321@student.unklab.ac.id | Kim Seokjin | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 1034254321 | 254321 | s254321@student.unklab.ac.id | Vanessa Willis | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 1034454321 | 454321 | s454321@student.unklab.ac.id | Preti Lamalo | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 1034354321 | 354321 | s354321@student.unklab.ac.id | Jeon Jungkook | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 103464321 | 64321 | s64321@student.unklab.ac.id | Kim Taehyung | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 1034754321 | 754321 | s754321@student.unklab.ac.id | Kim Namjoon | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 1034854321 | 854321 | s854321@student.unklab.ac.id | Jung Hoseok | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 1034954321 | 954321 | s954321@student.unklab.ac.id | Park Jimin | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 1034124321 | 124321 | s124321@student.unklab.ac.id | Min Yoongi | password123 | 2024-02-29 04:25:28 | 2024-02-29 04:25:28 |
| 12345 | 123459876 | pretty@gmail.com | Pretty Marchela Lamalo | password123 | 2024-02-29 21:31:04 | 2024-02-29 21:31:04 |
| 23456 | 2345698761 | atha@gmail.com | Aethalia Rapihu | athena | 2024-02-29 21:34:04 | 2024-02-29 21:34:04 |

3 rows in set (0.00 sec)

mysql>
```