

Nama : Eko Muchamad Haryono (106)

Kelas : Fullstack - Group 6

Task : Tugas Mysql => Tugas ke-2 JDA Fase 2

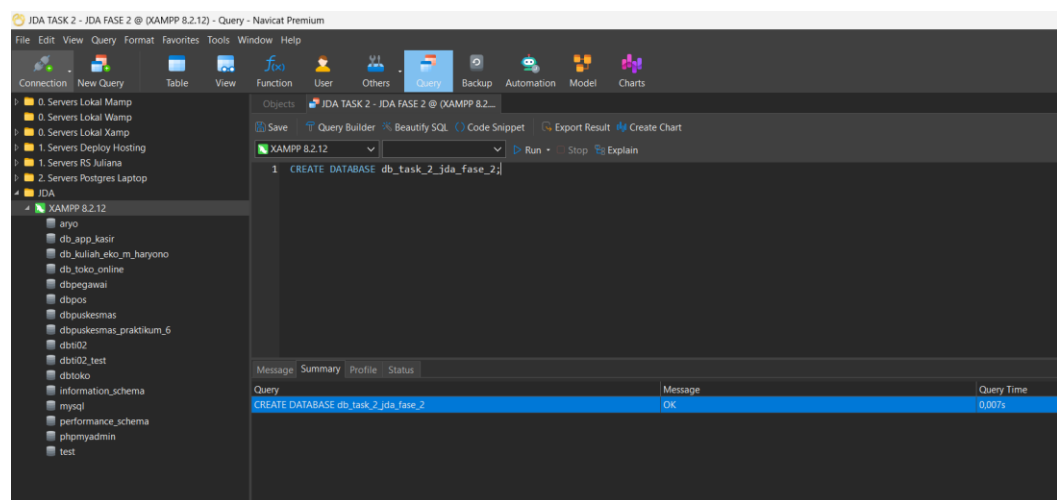
Tema : Buatlah query berikut berdasarkan spreadsheet

Tautan Acuan :

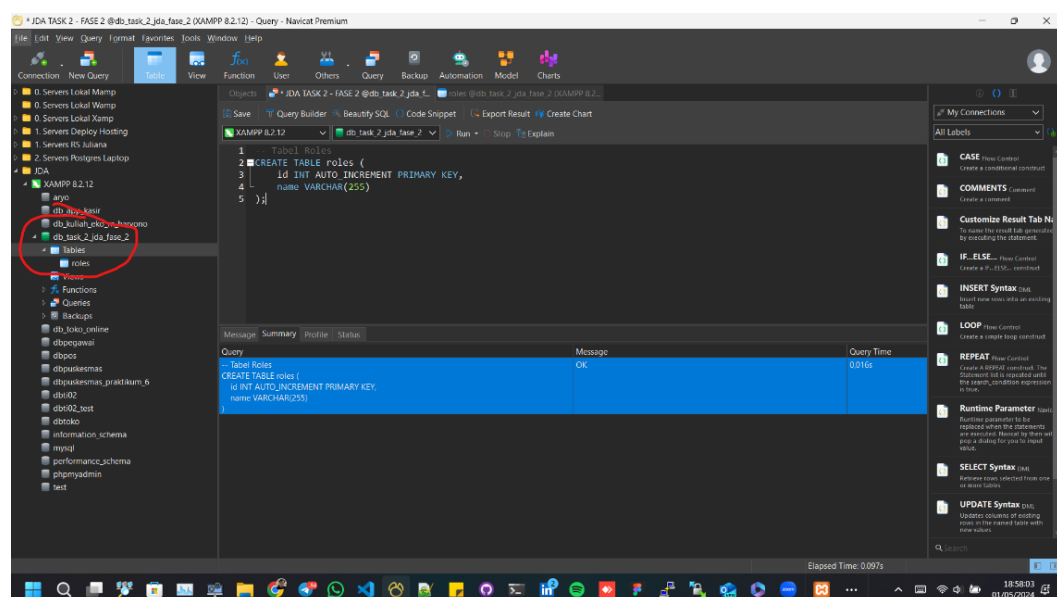
<https://docs.google.com/spreadsheets/d/1vujiQl8uBbeeCC1FFIn1eMYeAHCSqfBoxuDhScSr3kVk/edit>

1. Buatlah tabel nya menggunakan query sql

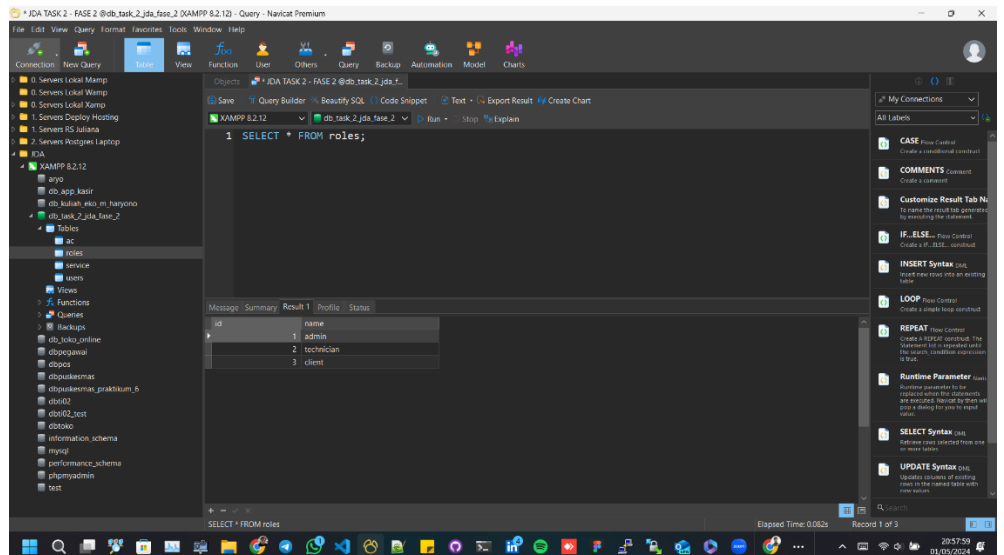
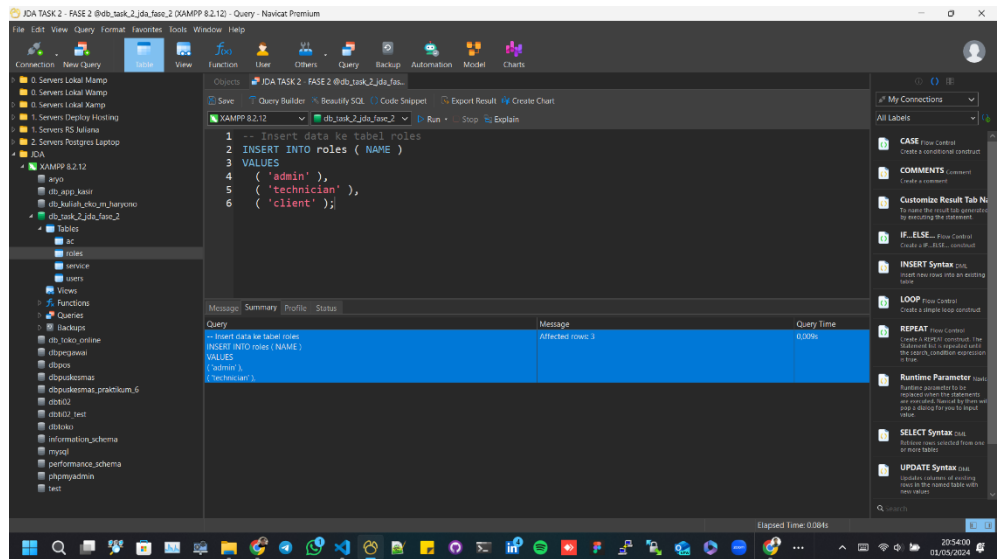
a. Membuat Database



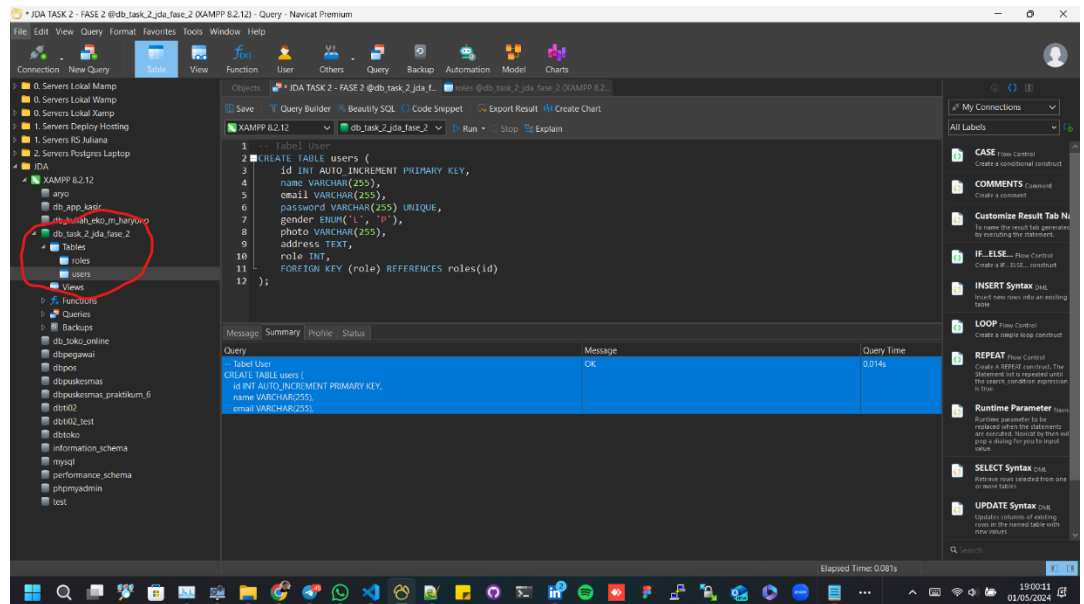
b. Membuat Table Roles



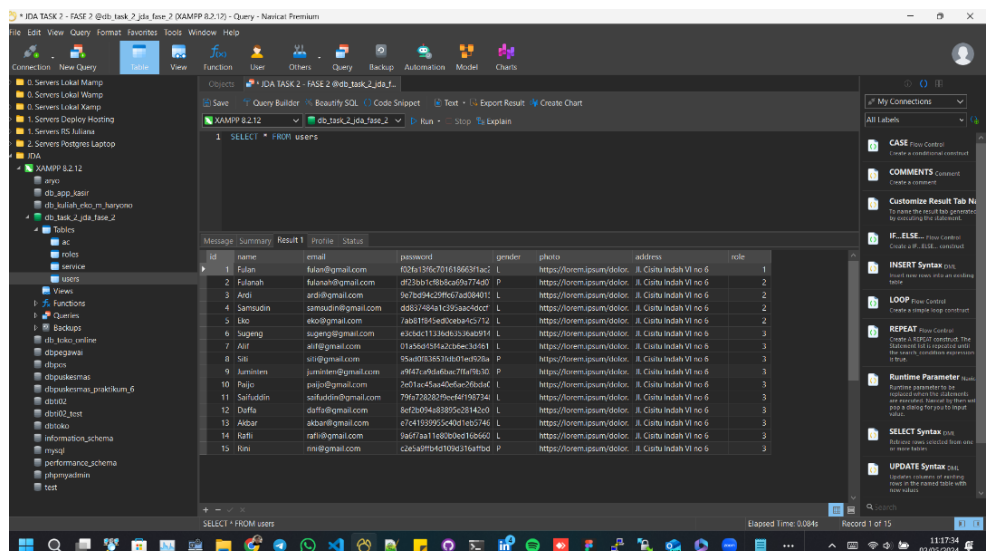
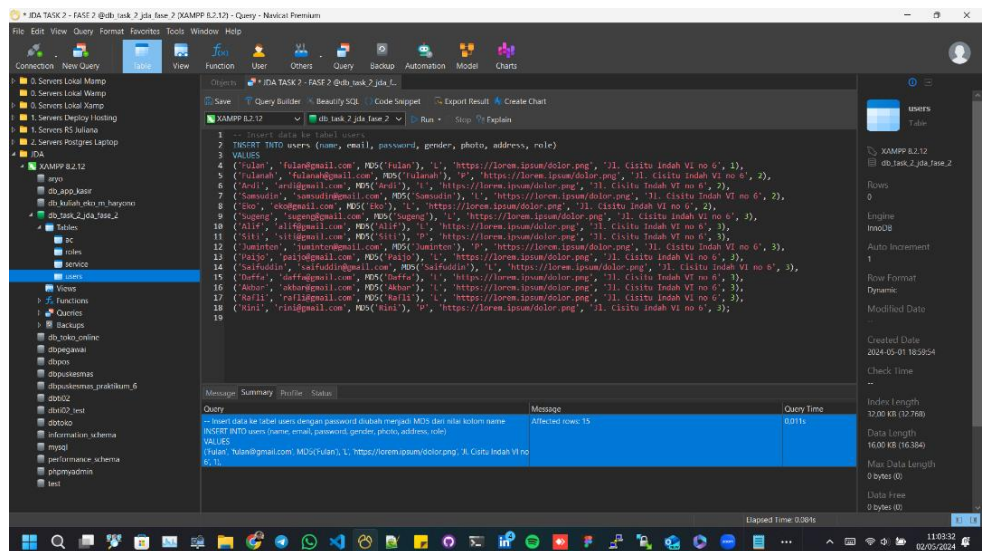
i. Menambahkan Insert Data Roles



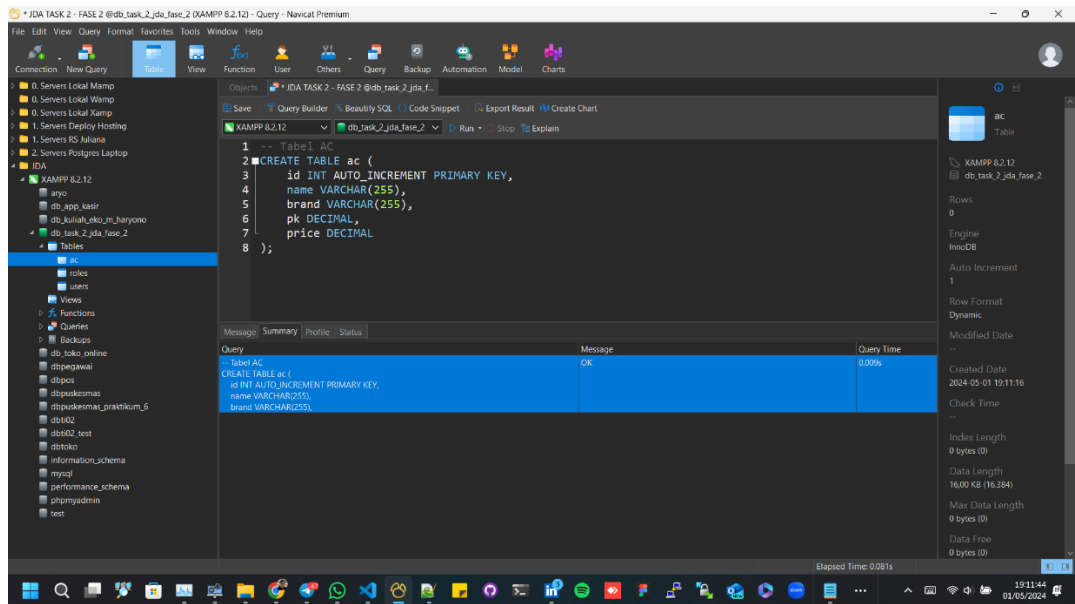
c. Membuat Table Users



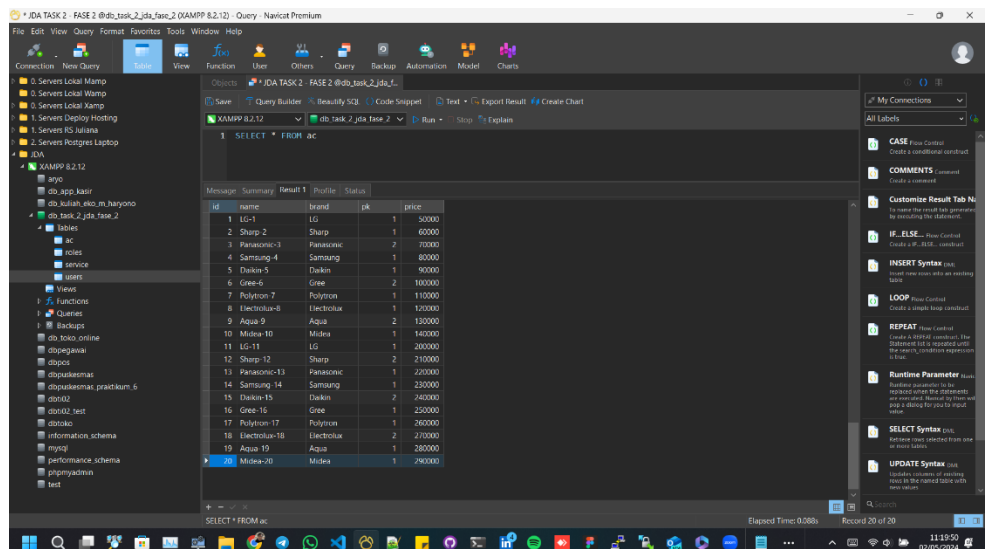
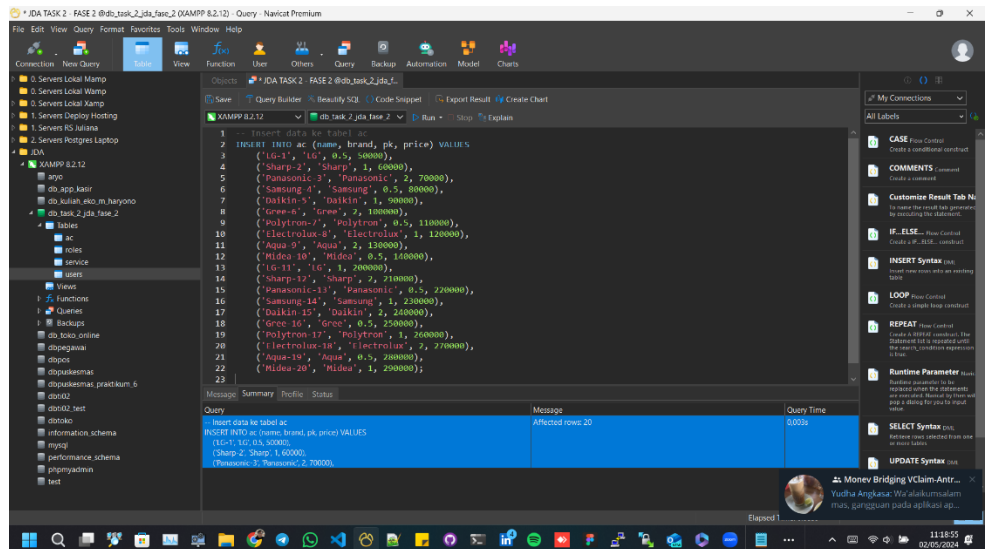
i. Membuat Insert Data Users



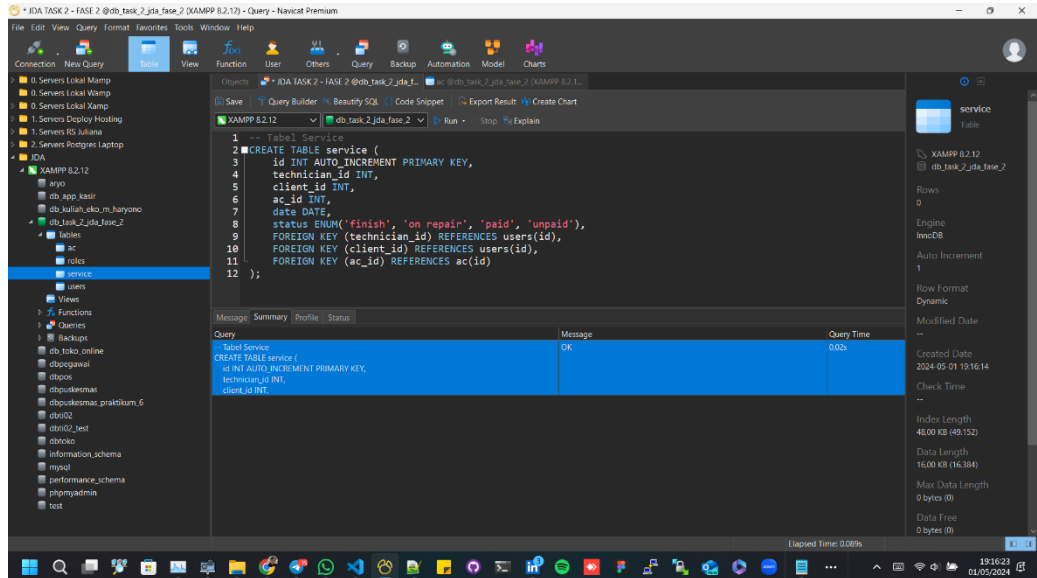
d. Membuat Table AC



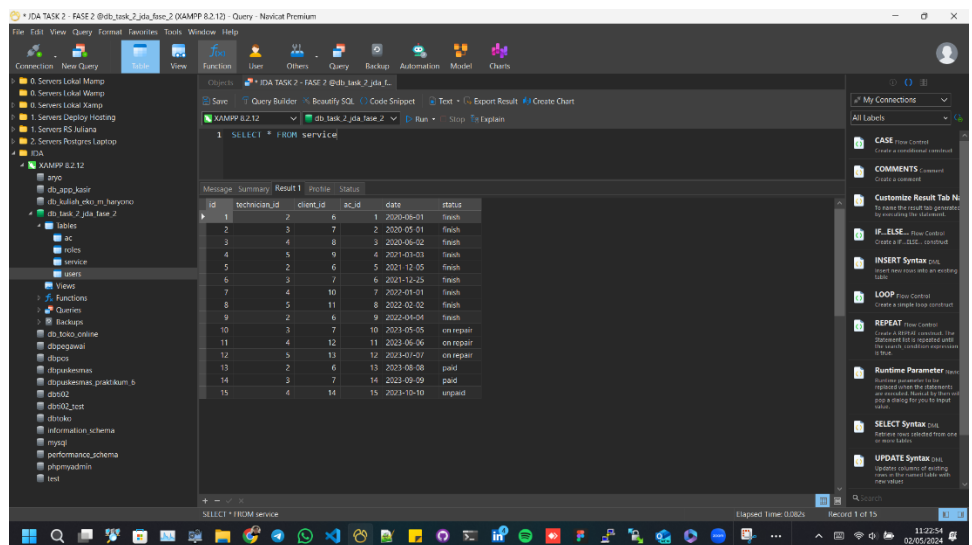
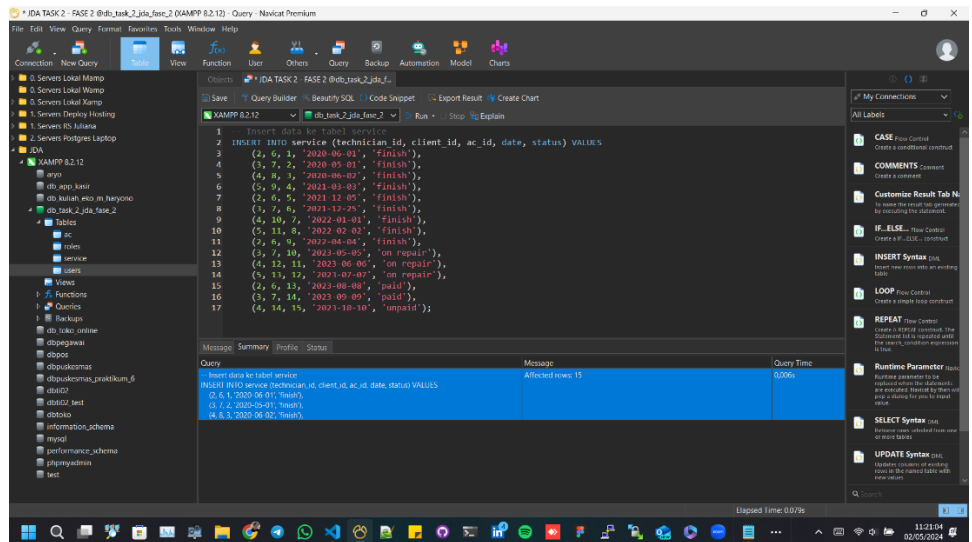
i. Membuat Insert Data AC



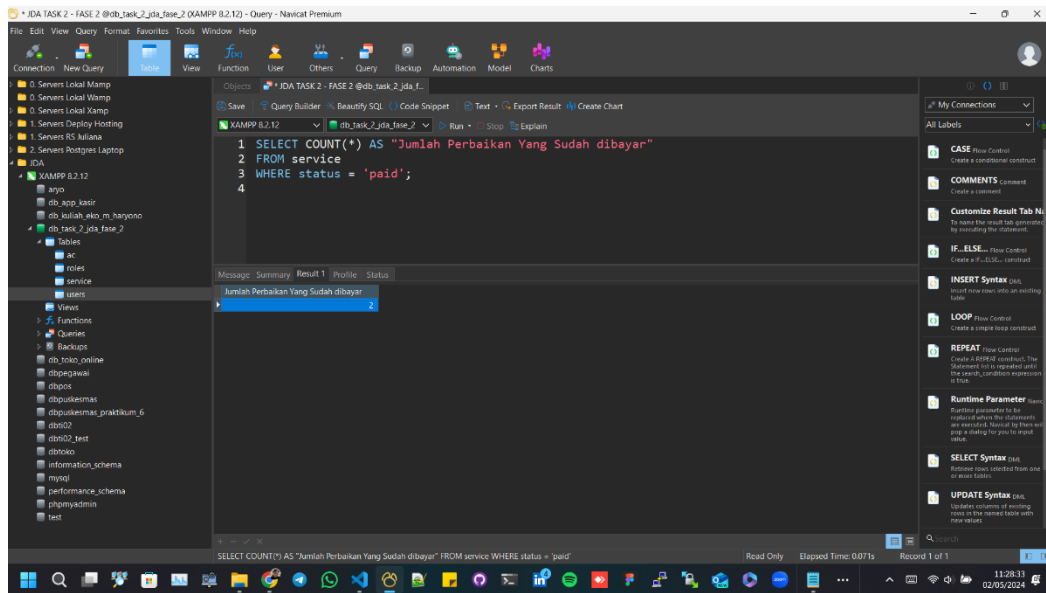
e. Membuat Table Service



i. Membuat Insert Data Service



2. Tampilkan jumlah perbaikan yang sudah dibayar



The screenshot shows the Navicat Premium interface. The SQL editor contains the following query:

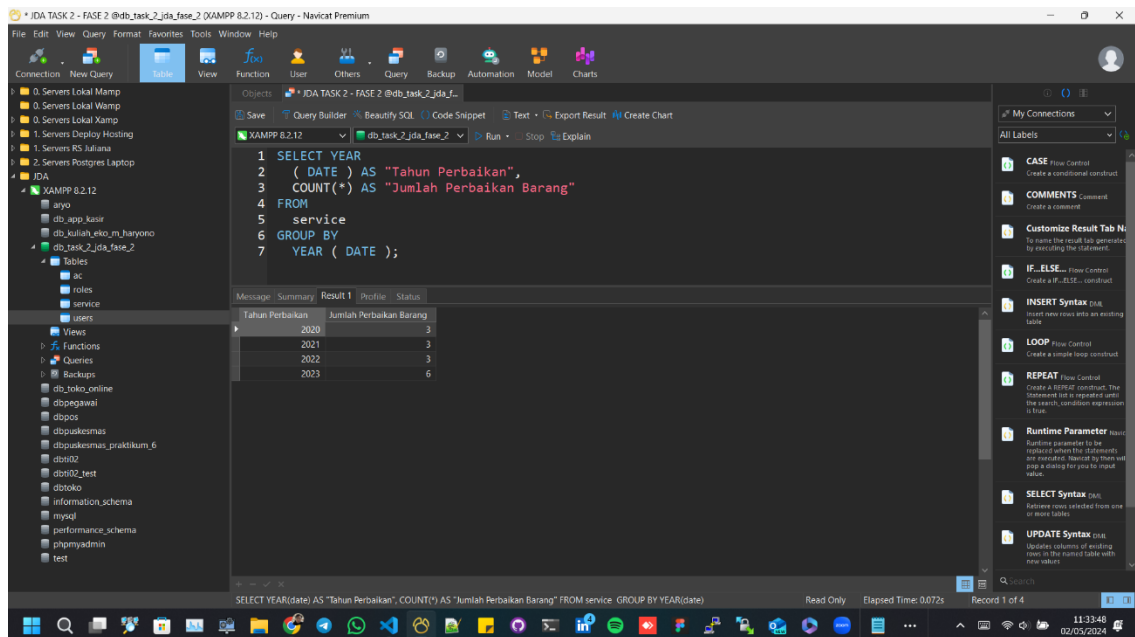
```
1 SELECT COUNT(*) AS "Jumlah Perbaikan Yang Sudah dibayar"
2 FROM service
3 WHERE status = 'paid';
4
```

The result set is displayed below the query:

Jumlah Perbaikan Yang Sudah dibayar
3

The status bar at the bottom indicates the query was executed successfully, with a message: "SELECT COUNT(*) AS 'Jumlah Perbaikan Yang Sudah dibayar' FROM service WHERE status = 'paid'".

3. Tampilkan tahun beserta jumlah perbaikan yang dilakukan pada tahun tersebut



The screenshot shows the Navicat Premium interface. The SQL editor contains the following query:

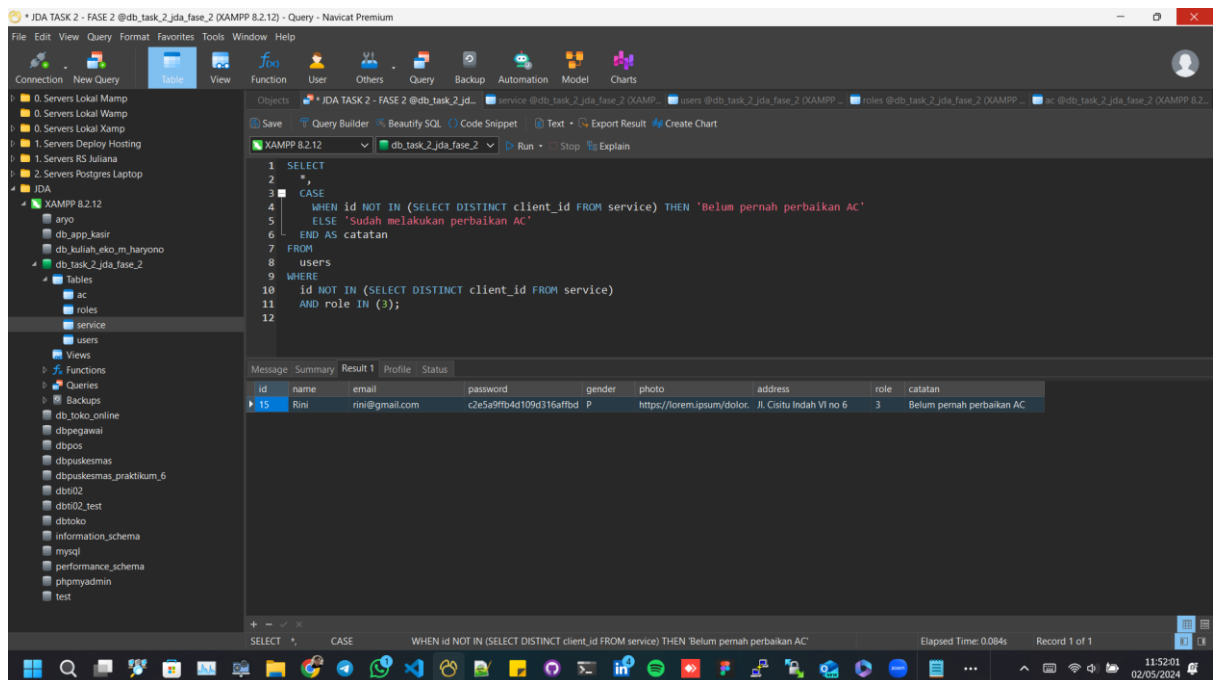
```
1 SELECT YEAR
2 ( DATE ) AS "Tahun Perbaikan",
3 COUNT(*) AS "Jumlah Perbaikan Barang"
4 FROM
5 service
6 GROUP BY
7 YEAR ( DATE );
```

The result set is displayed below the query:

Tahun Perbaikan	Jumlah Perbaikan Barang
2020	3
2021	3
2022	3
2023	6

The status bar at the bottom indicates the query was executed successfully, with a message: "SELECT YEAR(date) AS 'Tahun Perbaikan', COUNT(*) AS 'Jumlah Perbaikan Barang' FROM service GROUP BY YEAR(date)".

4. Tampilkan data client yang tidak pernah melakukan perbaikan ac

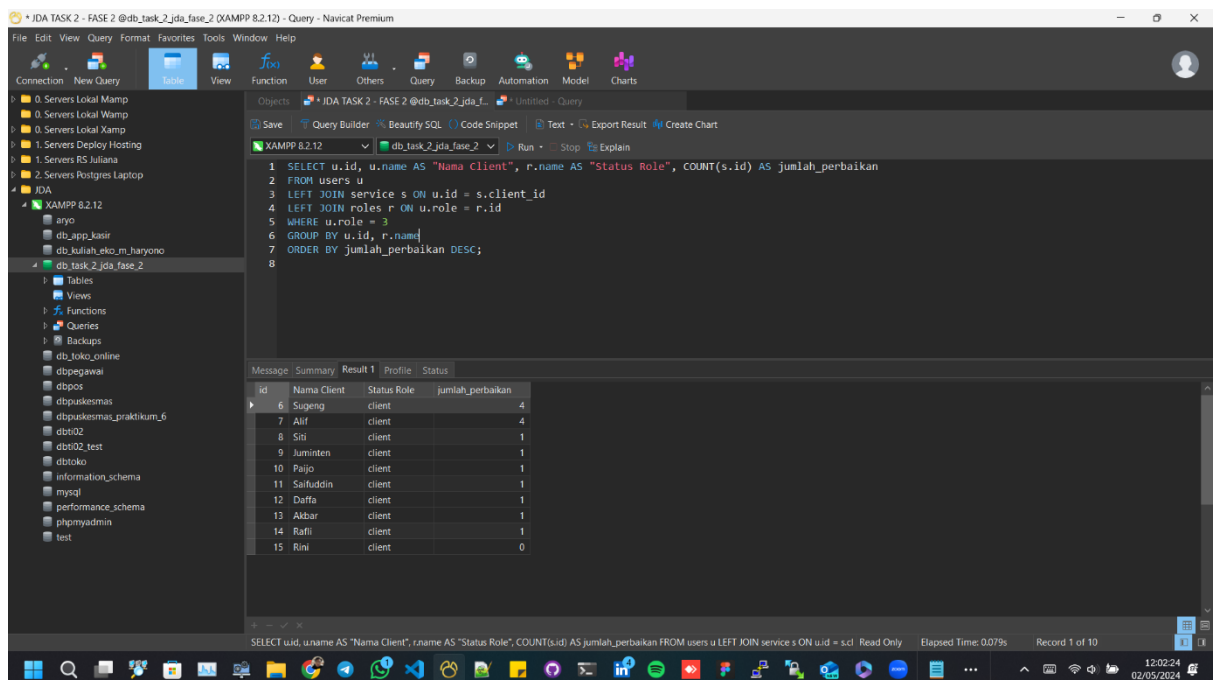


The screenshot shows the Navicat Premium interface with a SQL query executed against a MySQL database. The query filters for users who have not performed any AC repairs. The result set contains one record for a user named Rini.

```
1 SELECT
2 *
3 CASE
4 WHEN id NOT IN (SELECT DISTINCT client_id FROM service) THEN 'Belum pernah perbaikan AC'
5 ELSE 'Sudah melakukan perbaikan AC'
6 END AS catatan
7 FROM
8 users
9 WHERE
10 id NOT IN (SELECT DISTINCT client_id FROM service)
11 AND role IN (3);
12
```

id	name	email	password	gender	photo	address	role	catatan
15	Rini	rini@gmail.com	c2e5a9fb4d109d316affbd	P	https://korem.ipsun.dolor.	Jl. Cistu Indah VI no 6	3	Belum pernah perbaikan AC

5. tampilkan data client beserta jumlah perbaikan yang dilakukan, urutkan berdasarkan perbaikan terbanyak



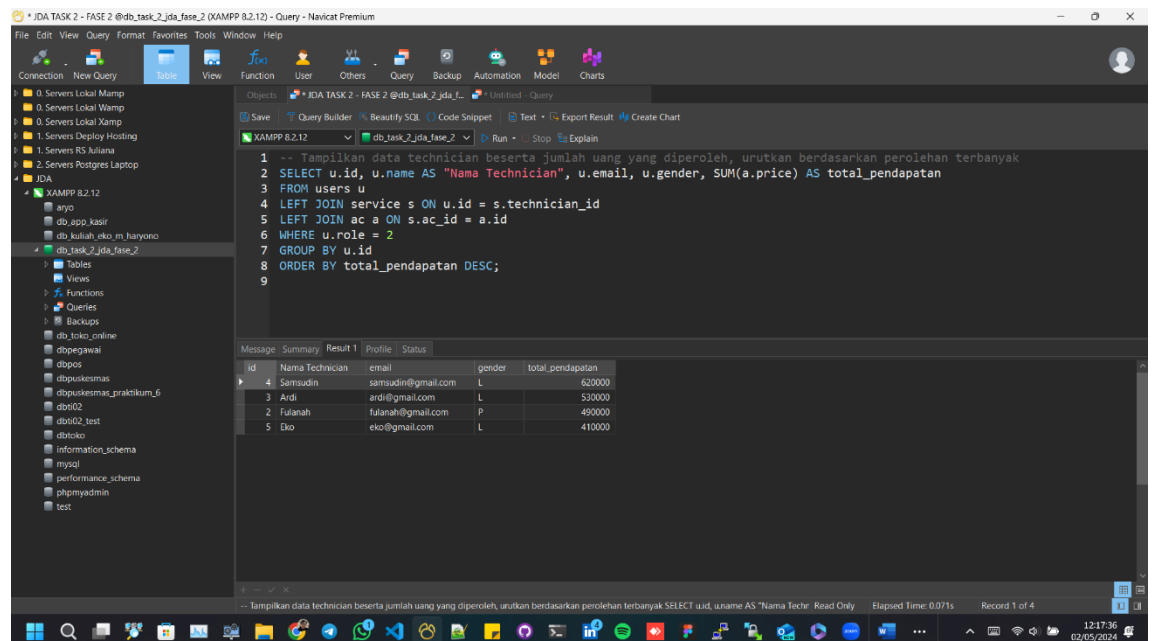
The screenshot shows the Navicat Premium interface with a SQL query executed against a MySQL database. The query joins the users and service tables to count the number of repairs for each client, ordered from highest to lowest count.

```
1 SELECT u.id, u.name AS "Nama Client", r.name AS "Status Role", COUNT(s.id) AS jumlah_perbaikan
2 FROM users u
3 LEFT JOIN service s ON u.id = s.client_id
4 LEFT JOIN roles r ON u.role = r.id
5 WHERE u.role = 3
6 GROUP BY u.id, r.name
7 ORDER BY jumlah_perbaikan DESC;
8
```

id	Nama Client	Status Role	jumlah_perbaikan
6	Sugeng	client	4
7	Alif	client	4
8	Siti	client	1
9	Juminten	client	1
10	Paijo	client	1
11	Saifuddin	client	1
12	Daffa	client	1
13	Akbar	client	1
14	Raffi	client	1
15	Rini	client	0

6. Tampilkan data technician beserta jumlah uang yang diperoleh, urutkan berdasarkan perolehan terbanyak

a. Jika belum di bayar oleh client

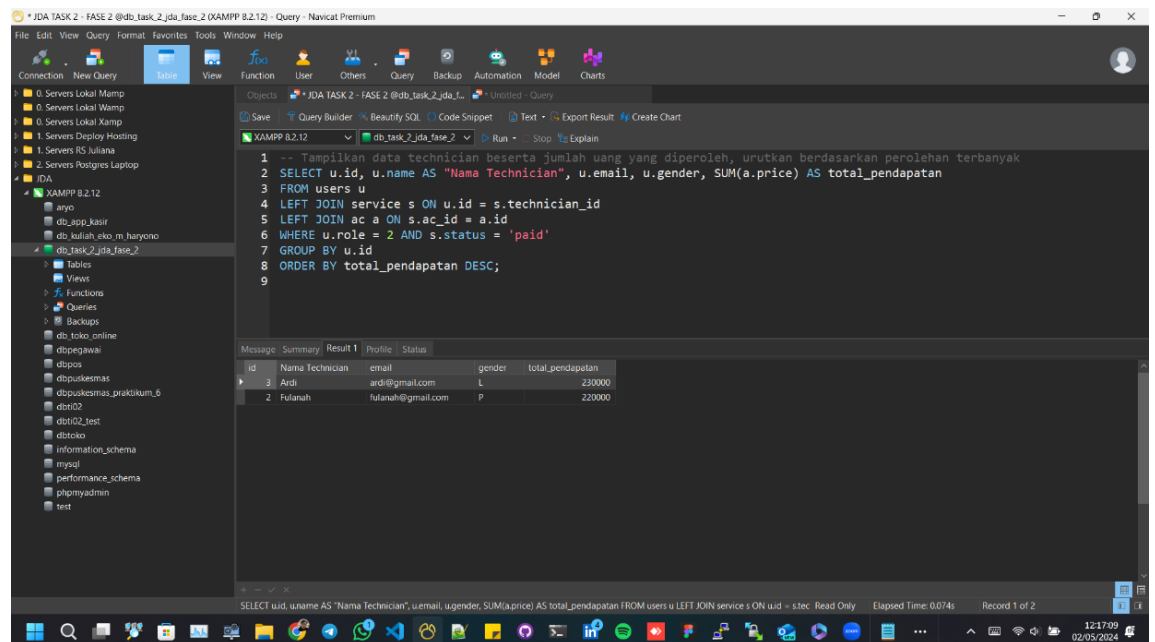


The screenshot shows the Navicat Premium interface with a SQL query executed on the 'db_task_2_jda_fase_2' database. The query filters for technicians where the service status is 'not paid' (s.status = 'not paid'). The results are ordered by total income in descending order.

```
1 -- Tampilkan data technician beserta jumlah uang yang diperoleh, urutkan berdasarkan perolehan terbanyak
2 SELECT u.id, u.name AS "Nama Technician", u.email, u.gender, SUM(a.price) AS total_pendapatan
3 FROM users u
4 LEFT JOIN service s ON u.id = s.technician_id
5 LEFT JOIN ac a ON s.ac_id = a.id
6 WHERE u.role = 2 AND s.status = 'not paid'
7 GROUP BY u.id
8 ORDER BY total_pendapatan DESC;
```

id	Nama Technician	email	gender	total_pendapatan
4	Samsudin	samsudin@gmail.com	L	620000
3	Ardi	ardi@gmail.com	L	530000
2	Fulanah	fulanah@gmail.com	P	490000
5	Eko	eko@gmail.com	L	410000

b. Jika yang udah dibayar oleh client



The screenshot shows the Navicat Premium interface with a SQL query executed on the 'db_task_2_jda_fase_2' database. The query filters for technicians where the service status is 'paid' (s.status = 'paid'). The results are ordered by total income in descending order.

```
1 -- Tampilkan data technician beserta jumlah uang yang diperoleh, urutkan berdasarkan perolehan terbanyak
2 SELECT u.id, u.name AS "Nama Technician", u.email, u.gender, SUM(a.price) AS total_pendapatan
3 FROM users u
4 LEFT JOIN service s ON u.id = s.technician_id
5 LEFT JOIN ac a ON s.ac_id = a.id
6 WHERE u.role = 2 AND s.status = 'paid'
7 GROUP BY u.id
8 ORDER BY total_pendapatan DESC;
```

id	Nama Technician	email	gender	total_pendapatan
3	Ardi	ardi@gmail.com	L	230000
2	Fulanah	fulanah@gmail.com	P	220000

kumpulkan **query** dan **screenshot hasil query** dalam bentuk **PDF** , soal dan jawaban harus **urut** dari nomor 1 hingga 6 !