

```
stmt_create_table_user = """CREATE TABLE IF NOT EXISTS users (  
    id INTEGER PRIMARY KEY AUTO_INCREMENT,  
    name VARCHAR(32),  
    email VARCHAR(255),  
    password VARCHAR(32),  
    gender ENUM('p', 'l'),  
    photo TEXT,  
    address TEXT,  
    role TINYINT  
)"""  
  
stmt_create_table_ac = """CREATE TABLE IF NOT EXISTS ac (  
    | id INTEGER PRIMARY KEY AUTO_INCREMENT,  
    | name TEXT,  
    | brand TEXT,  
    | pk FLOAT(23),  
    | price INTEGER  
)"""  
  
stmt_create_table_service = """CREATE TABLE IF NOT EXISTS service (  
    | id INTEGER PRIMARY KEY AUTO_INCREMENT,  
    | technician_id INTEGER,  
    | client_id INTEGER,  
    | ac_id INTEGER,  
    | date DATE,  
    | status ENUM('finish', 'on repair', 'paid', 'unpaid')  
)"""  
  
stmt_create_table_roles = """CREATE TABLE IF NOT EXISTS roles (  
    | id INTEGER PRIMARY KEY AUTO_INCREMENT,  
    | name TEXT  
)"""
```

```
mysql> select * from service where status = 'paid';
```

id	technician_id	client_id	ac_id	date	status
13	2	6	13	2023-08-08	paid
14	3	7	14	2023-09-09	paid

2 rows in set (0.01 sec)

```
mysql> select year(date) as tahun, count(id) as jumlah_perbaikan from service group by year(date) order by jumlah_perbaikan;
```

tahun	jumlah_perbaikan
2020	3
2021	3
2022	3
2023	6

```
4 rows in set (0.00 sec)
```

```
mysql> select * from users where id not in (select client_id from service) and role = 3;
```

id	name	email	password	gender	photo	address	role
15	Rini	rini@gmail.com	*****	p	https://lorem.ipsum/dolor.png	Jl. Cisitu Indah VI no 6	3

1 row in set (0.00 sec)

```
mysql> select id, name, email, password, gender, photo, address, role, coalesce(perbaikan.jumlah_perbaikan, 0) as jumlah_perbaikan from (select * from users where role = 3) as client left join (select client_id, jumlah_perbaikan from (select client_id, count(*) as jumlah_perbaikan from service group by client_id) as temp) as perbaikan on client.id = perbaikan.client_id order by jumlah_perbaikan desc;
```

id	name	email	password	gender	photo	address	role	jumlah_perbaikan
6	Sugeng	sugeng@gmail.com	*****	l	https://lorem.ipsum/dolor.png	Jl. Cisitu Indah VI no 6	3	4
7	Alif	alif@gmail.com	*****	l	https://lorem.ipsum/dolor.png	Jl. Cisitu Indah VI no 6	3	4
8	Siti	siti@gmail.com	*****	p	https://lorem.ipsum/dolor.png	Jl. Cisitu Indah VI no 6	3	1
9	Juminten	juminten@gmail.com	*****	p	https://lorem.ipsum/dolor.png	Jl. Cisitu Indah VI no 6	3	1
10	Paijo	paijo@gmail.com	*****	l	https://lorem.ipsum/dolor.png	Jl. Cisitu Indah VI no 6	3	1
11	Saifuddin	saifuddin@gmail.com	*****	l	https://lorem.ipsum/dolor.png	Jl. Cisitu Indah VI no 6	3	1
12	Daffa	daffa@gmail.com	*****	l	https://lorem.ipsum/dolor.png	Jl. Cisitu Indah VI no 6	3	1
13	Akbar	akbar@gmail.com	*****	l	https://lorem.ipsum/dolor.png	Jl. Cisitu Indah VI no 6	3	1
14	Rafla	rafla@gmail.com	*****	l	https://lorem.ipsum/dolor.png	Jl. Cisitu Indah VI no 6	3	1
15	Rini	rini@gmail.com	*****	p	https://lorem.ipsum/dolor.png	Jl. Cisitu Indah VI no 6	3	0

10 rows in set (0.00 sec)