

Tugas Mysql

HARSYA BRAHMANTYO W

Soal:

- 1 . buatlah tabel nya menggunakan query sql
- 2 . tampilkan jumlah perbaikan yang sudah dibayar
- 3 . tampilkan tahun beserta jumlah perbaikan yang dilakukan pada tahun tersebut
- 4 . tampilkan data client yang tidak pernah melakukan perbaikan ac
- 5 . tampilkan data client beserta jumlah perbaikan yang dilakukan, urutkan berdasarkan perbaikan terbanyak
- 6 . tampilkan data technician beserta jumlah uang yang diperoleh, urutkan berdasarkan perolehan terbanyak

Jawaban:

- 1 . buatlah tabel nya menggunakan query sql

Run SQL query/queries on server "localhost": ⓘ

1 CREATE DATABASE ServiceAc

Clear

Format

Get auto-saved query

☐ Bind parameters ⓘ

Bookmark this SQL query:

[Delimiter :] ☒ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks

Go

■ Console

Run SQL query/queries on database ServiceAc: ⓘ

1 CREATE TABLE users (
2 ID INT PRIMARY KEY AUTO_INCREMENT,
3 Nama VARCHAR(255),
4 Email VARCHAR(255) UNIQUE,
5 Password VARCHAR(255),
6 Gender ENUM('L','P'),
7 Photo VARCHAR(255),
8 Address VARCHAR(255)
9)

Clear

Format

Get auto-saved query

☐ Bind parameters ⓘ

Bookmark this SQL query:

[Delimiter :] ☒ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks

Go

■ Console

Run SQL query/queries on database **ServiceAc:**

1 CREATE TABLE roles (
2 ID INT PRIMARY KEY AUTO_INCREMENT,
3 Name VARCHAR(35)
4)

Clear

Format

Get auto-saved query

☐ Bind parameters

Bookmark this SQL query:

[Delimiter :]

☒ Show this query here again

☐ Retain query box

☐ Rollback when finished

☒ Enable foreign key checks

Go

Console

Run SQL query/queries on database **ServiceAc:**

1 ALTER TABLE users
2 ADD CONSTRAINT fk_usersRoles FOREIGN KEY(role)
3 REFERENCES roles(ID)

Clear

Format

Get auto-saved query

☐ Bind parameters

Bookmark this SQL query:

[Delimiter :]

☒ Show this query here again

☐ Retain query box

☐ Rollback when finished

☒ Enable foreign key checks

Go

Console

Run SQL query/queries on database **ServiceAc:** ⓘ

```
1 ALTER TABLE users
2 ADD role INT;
```

Clear **Format** **Get auto-saved query**

☐ Bind parameters ⓘ

Bookmark this SQL query:

[Delimiter] ☒ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks **Go**

Console

Run SQL query/queries on database **ServiceAc:** ⓘ

```
1 ALTER TABLE users
2 ADD CONSTRAINT FK_UsersRoles
3 FOREIGN KEY (role) REFERENCES roles(ID);
4
```

Clear **Format** **Get auto-saved query**

☐ Bind parameters ⓘ

Bookmark this SQL query:

[Delimiter] ☒ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks **Go**

Console

Run SQL query/queries on database **ServiceAc:**

```
1 CREATE TABLE ac (  
2 ID INT PRIMARY KEY AUTO_INCREMENT,  
3 Name VARCHAR (255),  
4 Brand VARCHAR (255),  
5 pk FLOAT,  
6 price INT  
7 )
```

Clear **Format** **Get auto-saved query**

☐ Bind parameters

Bookmark this SQL query:

[Delimiter :] ☒ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks **Go**

Console

Run SQL query/queries on database **ServiceAc:**

```
1 CREATE TABLE Service (  
2 id INT PRIMARY KEY AUTO_INCREMENT,  
3 technician_id INT,  
4 CONSTRAINT FK_technician FOREIGN KEY (technician_id)  
5 REFERENCES users(ID),  
6 client_id INT,  
7 CONSTRAINT FK_client FOREIGN KEY (client_id)  
8 REFERENCES users(ID),  
9 Date VARCHAR (255),  
10 Status VARCHAR (255)  
11 )
```

Clear **Format** **Get auto-saved query**

☐ Bind parameters

Bookmark this SQL query:

[Delimiter :] ☒ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks **Go**

Run SQL query/queries on database **ServiceAc:**

```
1 ALTER TABLE Service  
2 ADD ac_id INT;  
3
```

Clear **Format** **Get auto-saved query**

☐ Bind parameters

Bookmark this SQL query:

[Delimiter :] ☒ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks **Go**

Run SQL query/queries on database **ServiceAc:**

```
1 ALTER TABLE Service
2 ADD CONSTRAINT FK_ac FOREIGN KEY (ac_id)
3 REFERENCES ac(ID)
```

Clear **Format** **Get auto-saved query**

☐ Bind parameters

Bookmark this SQL query:

[Delimiter :] ☒ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks **Go**

Console

```
1 INSERT INTO `roles` (Name) VALUES (admin)
```

ini Untuk pengisian data role untuk pengisian selanjutnya querynya masih sama tetapi di masukan data yang berbeda

Run SQL query/queries on database **ServiceAc:**


```
1 INSERT INTO users
2 (Nama,Email>Password,Gender,Photo,Address,role)
3 VALUES
4 ('Fulan','fulan@gmail.com','*****','L','https://lorem.ipsum/dolor.png','Jl. Cisit Indah VI no 6',1)
```

Clear **Format** **Get auto-saved query**

☐ Bind parameters

Bookmark this SQL query:


[Delimiter :] ☒ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks **Go**

Run SQL query/queries on database ServiceAc: 

```

1 INSERT INTO users
2 (Nama,Email,Password,Gender,Photo,Address,role)
3 VALUES
4 ('Fulanah','fulanah@gmail.com','*****','P','https://lorem.ipsum/dolor.png','Jl. Cisituh Indah VI no 6',2),
5 ('Ardi','ardi@gmail.com','*****','L','https://lorem.ipsum/dolor.png','Jl. Cisituh Indah VI no 6',2),
6 ('Samsudin','samsudin@gmail.com','*****','P','https://lorem.ipsum/dolor.png','Jl. Cisituh Indah VI no 6',2)

```


☐ Bind parameters 

Bookmark this SQL query:

☐ Delimiter ☒ Show this query here again
 ☐ Retain query box
 ☐ Rollback when finished
 ☒ Enable foreign key checks

ini Untuk pengisian data user untuk pengisian selanjutnya querynya masih sama tetapi di masukan data yang berbeda







2 . tampilkan jumlah perbaikan yang sudah dibayar





 Showing rows 0 - 1 (2 total, Query took 0.0019 seconds.)

```
SELECT * FROM Service WHERE Status = 'paid'
```

☐ Show all | Number of rows: Filter rows: Sort by key:

+ Options

				id	technician_id	client_id	ac_id	Date	Status
<input type="checkbox"/>				13	2	6	13	2023-08-08	paid
<input type="checkbox"/>				14	3	7	14	2023-09-09	paid

☐ Check all With selected:  Edit  Copy  Delete  Export

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

Run SQL query/queries on database ServiceAc:

```

1 SELECT YEAR(Date) AS tahun, COUNT(*) AS jumlah_perbaikan
2 FROM Service
3 GROUP BY YEAR(Date)
4 ORDER BY tahun;

```

Clear Format Get auto-saved query

☐ Bind parameters

Bookmark this SQL query:

[Delimiter :] ☒ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks Go

Hide query box

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

✓ Showing rows 0 - 3 (4 total, Query took 0.0027 seconds.)

`SELECT YEAR(Date) AS tahun, COUNT(*) AS jumlah_perbaikan FROM Service GROUP BY YEAR(Date) ORDER BY tahun`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

tahun	jumlah_perbaikan
2020	3
2021	3
2022	3
2023	6

Console

4. tampilkan data client yang tidak pernah melakukan perbaikan ac

✓ Showing rows 0 - 5 (6 total, Query took 0.0033 seconds.)

`SELECT users.* FROM users LEFT JOIN Service ON users.id = Service.client_id WHERE Service.client_id IS NULL`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

ID	Nama	Email	Password	Gender	Photo	Address	role
1	Fulan	fulan@gmail.com	*****	L	https://lorem.ipsum/dolor.png	Jl. Cisituh Indah VI no 6	1
2	Fulanah	fulanah@gmail.com	*****	P	https://lorem.ipsum/dolor.png	Jl. Cisituh Indah VI no 6	2
3	Ardi	ardi@gmail.com	*****	L	https://lorem.ipsum/dolor.png	Jl. Cisituh Indah VI no 6	2
4	Samsudin	samsudin@gmail.com	*****	L	https://lorem.ipsum/dolor.png	Jl. Cisituh Indah VI no 6	2
5	Eko	eko@gmail.com	*****	L	https://lorem.ipsum/dolor.png	Jl. Cisituh Indah VI no 6	2
15	Rini	rini@gmail.com	*****	P	https://lorem.ipsum/dolor.png	Jl. Cisituh Indah VI no 6	3

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

✓ Showing rows 0 - 9 (10 total, Query took 0.0054 seconds.)

`SELECT users.*, COUNT(Service.client_id) AS jumlah_perbaikan FROM users LEFT JOIN Service ON users.id = Service.client_id WHERE users.role = 3 GROUP BY users.id ORDER BY jumlah_perbaikan DESC`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

ID	Nama	Email	Password	Gender	Photo	Address	role	jumlah_perbaikan
6	Sugeng	sugeng@gmail.com	*****	L	https://lorem.ipsum/dolor.png	Jl. Cisituh Indah VI no 6	3	4
7	Alif	alif@gmail.com	*****	L	https://lorem.ipsum/dolor.png	Jl. Cisituh Indah VI no 6	3	4
8	Siti	siti@gmail.com	*****	P	https://lorem.ipsum/dolor.png	Jl. Cisituh Indah VI no 6	3	1
9	Juminten	juminten@gmail.com	*****	P	https://lorem.ipsum/dolor.png	Jl. Cisituh Indah VI no 6	3	1
10	Pajo	pajo@gmail.com	*****	L	https://lorem.ipsum/dolor.png	Jl. Cisituh Indah VI no 6	3	1
11	Safuddin	safuddin@gmail.com	*****	L	https://lorem.ipsum/dolor.png	Jl. Cisituh Indah VI no 6	3	1
12	Daffa	daffa@gmail.com	*****	L	https://lorem.ipsum/dolor.png	Jl. Cisituh Indah VI no 6	3	1
13	Akbar	akbar@gmail.com	*****	L	https://lorem.ipsum/dolor.png	Jl. Cisituh Indah VI no 6	3	1
14	Rafli	rafli@gmail.com	*****	L	https://lorem.ipsum/dolor.png	Jl. Cisituh Indah VI no 6	3	1
15	Rini	rini@gmail.com	*****	P	https://lorem.ipsum/dolor.png	Jl. Cisituh Indah VI no 6	3	0

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

Showing rows 0 - 3 (4 total, Query took 0.0048 seconds.)

```
SELECT users.*, SUM(ac.price) AS total_pendapatan FROM users LEFT JOIN Service ON users.id = Service.technician_id LEFT JOIN ac ON Service.ac_id = ac.id WHERE users.role = 2 GROUP BY users.id ORDER BY total_pendapatan DESC
```

☐ Profiling

[Edit inline][Edit][Explain SQL][Create PHP code][Refresh]

☐ Show all

Number of rows: 25

Filter rows: Search this table

+ Options

ID	Nama	Email	Password	Gender	Photo	Address	role	total_pendapatan	
4	Samsudin	samsudin@gmail.com	*****	L	https://lorem.ipsum/dolor.png	Jl. Cisituh Indah VI no 6	2	620000	
3	Ardi	ardi@gmail.com	*****	L	https://lorem.ipsum/dolor.png	Jl. Cisituh Indah VI no 6	2	530000	
2	Fulanah	fulanah@gmail.com	*****	P	https://lorem.ipsum/dolor.png	Jl. Cisituh Indah VI no 6	2	490000	
5	Eko	eko@gmail.com	*****	L	https://lorem.ipsum/dolor.png	Jl. Cisituh Indah VI no 6	2	410000	