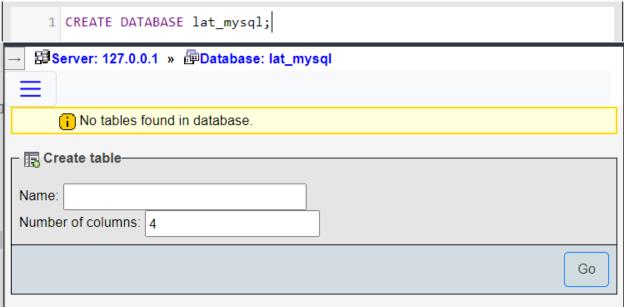
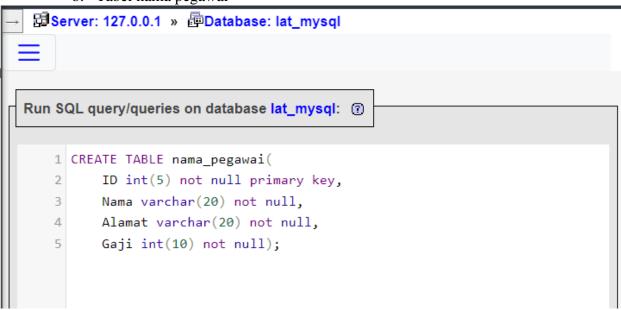
Laporan Praktikum DB MySql

- 1. Permasalahan 1
 - a. Database lat_mysql



b. Tabel nama pegawai

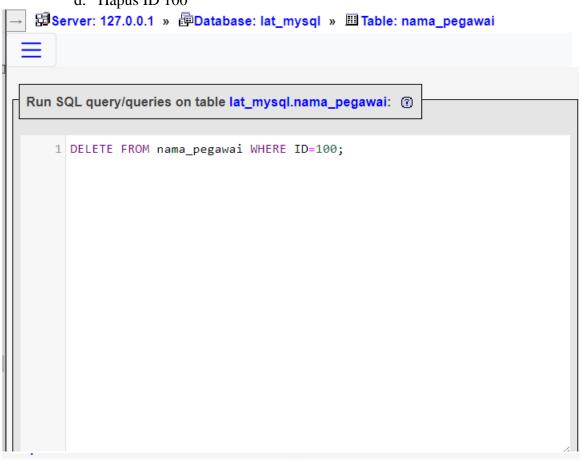


#	Name	Туре	Collation	Attributes	Null	Default
1	ID 🕎	int(5)			No	None
2	Nama	varchar(20)	utf8mb4_general_ci		No	None
3	Alamat	varchar(20)	utf8mb4_general_ci		No	None
4	Gaji	int(10)			No	None

c. Isi tabel

←	Τ→		\Rightarrow	ID	Nama	Alamat	Gaji
	🥒 Edit	3 i Copy	X Delete	100	Arif	Surabaya	10000
	🥒 Edit	⊒ Copy	X Delete	101	Andi	Jakarta	14000
	🥒 Edit	⊒ Copy	X Delete	102	Burhan	Malang	12000
	🧷 Edit	⊒ Copy	X Delete	103	Fikri	Madiun	15000
	🥒 Edit	⊒ Copy	X Delete	104	Fariz	Malang	17000
	🥒 Edit	⊒ Copy	X Delete	105	Sigit	Surabaya	20000
	🥒 Edit	3 i Copy	X Delete	106	lfan	Kediri	16000
	🧷 Edit	⊒ Copy	X Delete	107	Hanif	Yogyakarta	12000
	🥒 Edit	⊒ Copy	X Delete	108	Zakiuddin	Surabaya	21000

d. Hapus ID 100



←	Τ→		∇	ID	Nama	Alamat	Gaji
	🥒 Edit	⊒ Copy	X Delete	101	Andi	Jakarta	14000
	🧷 Edit	⊒ Copy	X Delete	102	Burhan	Malang	12000
	🥒 Edit	⊒ Copy	X Delete	103	Fikri	Madiun	15000
	🧷 Edit	⊒ Copy	X Delete	104	Fariz	Malang	17000
	🥒 Edit	⊒ Copy	X Delete	105	Sigit	Surabaya	20000
	🥒 Edit	≟ Copy	X Delete	106	Ifan	Kediri	16000
	🥒 Edit	⊈ Copy	X Delete	107	Hanif	Yogyakarta	12000
	🥒 Edit	≩ Copy	× Delete	108	Zakiuddin	Surabaya	21000

Server: 127.0.0.1 » @Database: lat_mysql » III Table: nama_pegawai



Run SQL query/queries on table lat_mysql.nama_pegawai: ③

- UPDATE nama_pegawai SET Nama='Naila', Alamat='Surabaya', Gaji=10000
 WHERE ID=101;
- 2 UPDATE nama_pegawai SET Nama='Rafi', Alamat='Semarang', Gaji=14000 WHERE ID=102;

←	Τ→		\forall	ID	Nama	Alamat	Gaji
	🥒 Edit	3 i Copy	X Delete	101	Naila	Surabaya	10000
	🧷 Edit	⊒ Copy	X Delete	102	Rafi	Semarang	14000
	🥒 Edit	⊒ Copy	X Delete	103	Fikri	Madiun	15000
	🥒 Edit	⊒ Copy	X Delete	104	Fariz	Malang	17000
	🥒 Edit	⊒ Copy	X Delete	105	Sigit	Surabaya	20000
	🥒 Edit	⊒ Copy	X Delete	106	Ifan	Kediri	16000
	🥒 Edit	3 € Copy	X Delete	107	Hanif	Yogyakarta	12000
	🥒 Edit	⊒ Copy	X Delete	108	Zakiuddin	Surabaya	21000

f. Perintah-perintah SQL untuk menampilkan:

i. Seluruh isi tabel pegawai

1 SELECT * FROM nama_pegawai;

-←	Τ→		∇	ID	Nama	Alamat	Gaji
	🌽 Edit	⊒ Copy	X Delete	101	Naila	Surabaya	10000
	🥒 Edit	⊒ Copy	X Delete	102	Rafi	Semarang	14000
	🥒 Edit	⊒ Copy	X Delete	103	Fikri	Madiun	15000
	🥒 Edit	⊒ Copy	X Delete	104	Fariz	Malang	17000
	🥒 Edit	⊒ Copy	X Delete	105	Sigit	Surabaya	20000
	🧳 Edit	⊒ Copy	X Delete	106	Ifan	Kediri	16000
	🥒 Edit	⊒ Copy	X Delete	107	Hanif	Yogyakarta	12000
	🥒 Edit	≟ Copy	X Delete	108	Zakiuddin	Surabaya	21000

ii. Kolom nama dan gaji dari tabel pegawai

1 SELECT Nama, Gaji FROM nama_pegawai;

←	T→		∇	Nama	Gaji
	🤌 Edit	3 ≟ Copy	X Delete	Naila	10000
	🥖 Edit	⊒ Copy	X Delete	Rafi	14000
	🥖 Edit	⊒ Copy	X Delete	Fikri	15000
	🥖 Edit	⊒ Copy	X Delete	Fariz	17000
	🤌 Edit	⊒ Copy	X Delete	Sigit	20000
	🥖 Edit	⊒ Copy	X Delete	Ifan	16000
	🤌 Edit	⊒ Copy	X Delete	Hanif	12000
	🥒 Edit	⊒ Copy	X Delete	Zakiuddin	21000

iii. Kolom nama dan alamat yang mempunyai nama berawalan F

SELECT Nama, Alamat FROM nama_pegawai WHERE Nama LIKE 'F%';

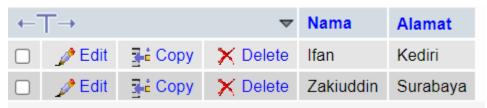
→ Nama Alamat

□ ♪ Edit ♣ Copy ➤ Delete Fikri Madiun

□ ♪ Edit ♣ Copy ➤ Delete Fariz Malang

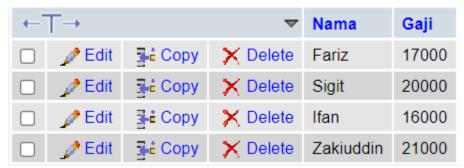
iv. Kolom nama dan alamat yang mempunyai nama berakhiran n

1 SELECT Nama, Alamat FROM nama_pegawai WHERE Nama LIKE '%n';



v. Kolom nama dan gaji yang mempunyai gaji di atas 15000

1 SELECT Nama, Gaji FROM nama_pegawai WHERE Gaji > 15000;



vi. Kolom nama, alamat dan gaji yang bergaji di atas 13000 dan beralamat di Surabaya

1 SELECT Nama, Alamat, Gaji FROM nama_pegawai WHERE Gaji > 13000 AND Alamat='Surabaya';

←	Τ→		Nama	Alamat	Gaji	
	🥒 Edit	⊒ Copy	X Delete	Sigit	Surabaya	20000
	🥒 Edit	3 ≟ Copy	X Delete	Zakiuddin	Surabaya	21000

vii. Kolom nama, gaji dengan range gaai di antara 15000-20000

1 SELECT Nama, Gaji FROM nama_pegawai WHERE Gaji BETWEEN 15000 AND 20000;

←	Τ→		∇	Nama	Gaji
	🥒 Edit	⊒ Copy	X Delete	Fikri	15000
	🧷 Edit	≩ Сору	X Delete	Fariz	17000
	🥒 Edit	⊒ Copy	X Delete	Sigit	20000
	🥜 Edit	≟ Copy	X Delete	Ifan	16000

viii. Gaji max, min, rata-rata dari tabel pegawai

1 SELECT MAX(Gaji), MIN(gaji), AVG(Gaji) FROM nama_pegawai;

MAX(Gaji)	MIN(gaji)	AVG(Gaji)
21000	10000	15625.0000

2. Permasalahan 2

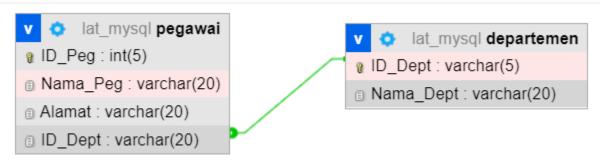
a. 2 tabel pegawai dan departemen yang berhubungan

```
1 CREATE TABLE Departemen(
2 ID_Dept varchar(5) not null PRIMARY KEY,
3 Nama_Dept varchar(20) not null
4 );
```

#	Name	Type	Collation	Attributes	Null	Default	Coi
1	ID_Dept	varchar(5)	utf8mb4_general_ci		No	None	
2	Nama_Dept	varchar(20)	utf8mb4_general_ci		No	None	

```
1 CREATE TABLE Pegawai(
2     ID_Peg int(5) not null,
3     Nama_Peg varchar(20) not null,
4     Alamat varchar(20) not null,
5     ID_Dept varchar(20) not null,
6     PRIMARY KEY(ID_Peg),
7     FOREIGN KEY(ID_Dept) REFERENCES departemen(ID_Dept)
8 );
```

#	Name	Туре	Collation	Attributes	Null	Default
1	ID_Peg 📅	int(5)			No	None
2	Nama_Peg	varchar(20)	utf8mb4_general_ci		No	None
3	Alamat	varchar(20)	utf8mb4_general_ci		No	None
4	ID_Dept 👔	varchar(20)	utf8mb4_general_ci		No	None



b. Isi data 2 tabel

←	Τ→		ID_Dept	Nama_Dept	
	🥒 Edit	<u>Copy</u>	X Delete	A001	IT
	🧷 Edit	3 i Copy	X Delete	A002	Produksi
	🤌 Edit	3	X Delete	A003	HRD
	🥒 Edit	3 € Copy	X Delete	A004	Engineering

```
1 INSERT INTO pegawai VALUES(100, 'Arif', 'Surabaya', 'A001'), (101,
'Andi', 'Jakarta', 'A002'), (102, 'Burhan', 'Malang', 'A003');
```

←			ID_Peg	Nama_Peg	Alamat	ID_Dept	
	🥒 Edit	⊒ Copy	X Delete	100	Arif	Surabaya	A001
	🧷 Edit	3 € Copy	X Delete	101	Andi	Jakarta	A002
	🥒 Edit	⊒ Copy	X Delete	102	Burhan	Malang	A003

c. Buat perintah SQL:

- i. Tampilkan nama pegawai, alamat dan nama dep
- 1 SELECT pegawai.Nama_Peg, pegawai.Alamat, departemen.Nama_Dept FROM pegawai, departemen WHERE pegawai.ID_Dept=departemen.ID_Dept;

Nama_Peg	Alamat	Nama_Dept
Arif	Surabaya	IT
Andi	Jakarta	Produksi
Burhan	Malang	HRD

ii. Tampilkan id pegawai, nama dan nama dep

1 SELECT pegawai.ID_Peg, pegawai.Nama_Peg, departemen.Nama_Dept FROM pegawai, departemen WHERE pegawai.ID_Dept=departemen.ID_Dept;

ID_Peg	Nama_Peg	Nama_Dept
100	Arif	IT
101	Andi	Produksi
102	Burhan	HRD