**LAPORAN AKHIR PRAKTIKUM**

Mata praktikum : SISTEM BASIS DATA 2

Kelas : 3IA11

Praktikum ke- : 4

Tanggal : 10/05/2025

Materi : DATABASE SYSTEM TOOLS/ DATABASE MANAGEMENT SYSTEM

Npm : 51422161

Nama : MUHAMMAD TARMIDZI BARIQ

Ketua asisten : Muhammad Yasin

Jumlah lembar : 11

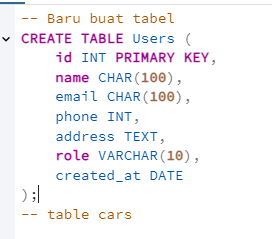


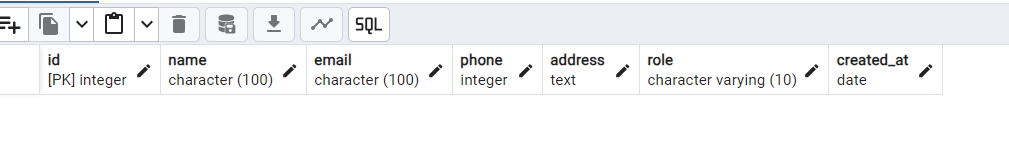
**LABORATORIUM TEKNIK INFORMATIKA**

**UNIVERSITAS GUNADARMA**

**2025**

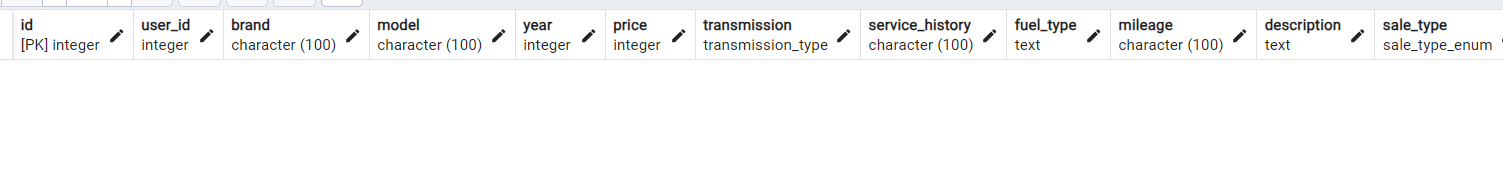
1. table users

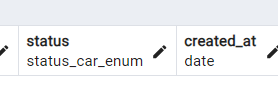




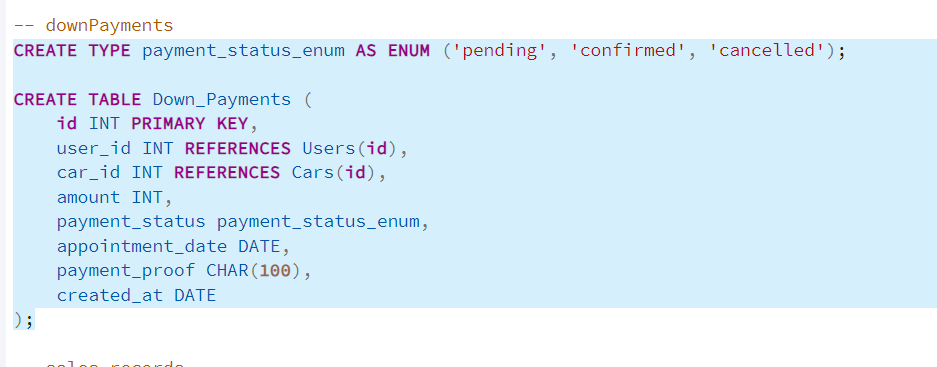
2. table cars

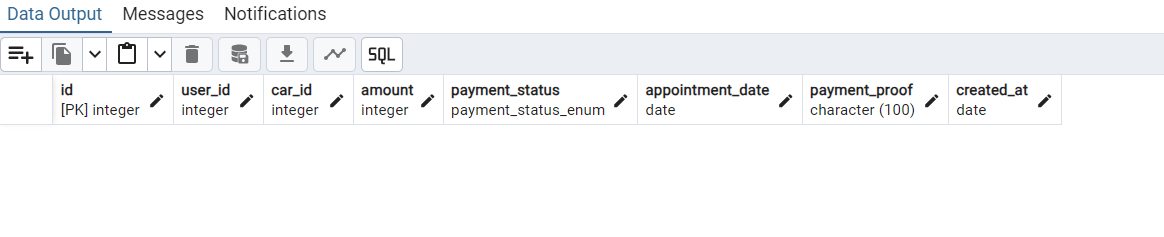




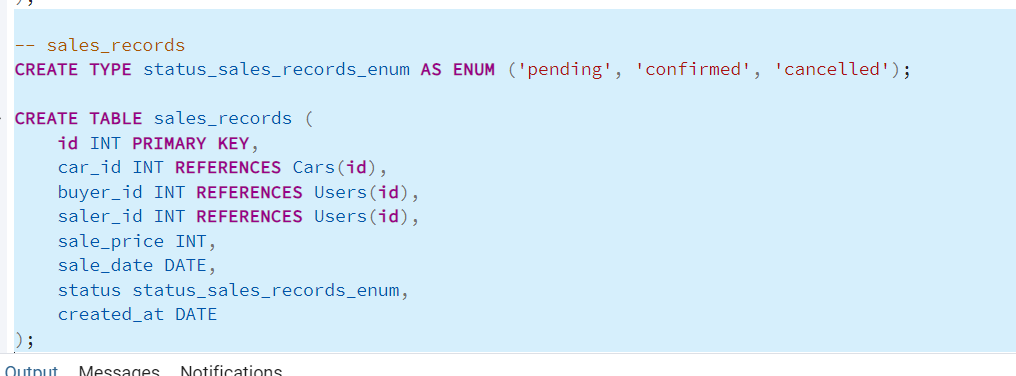


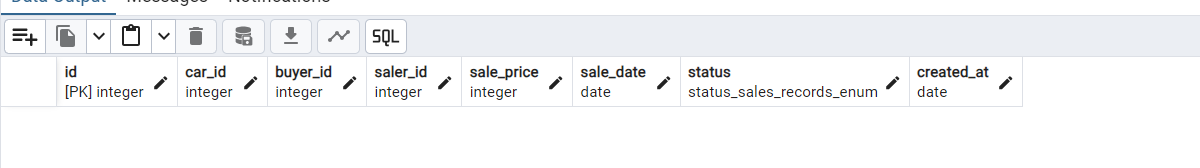
3.





4. sales records

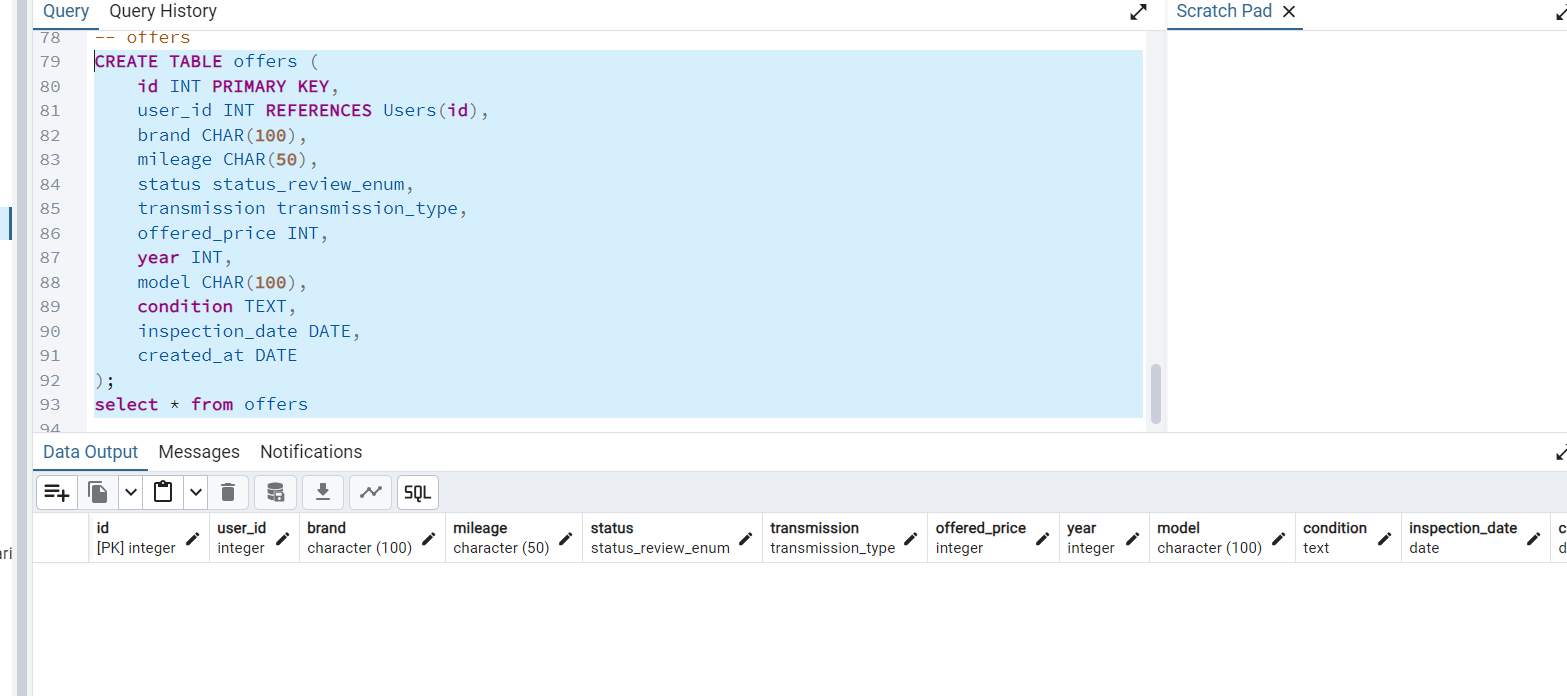




5. reviews



6. offers



7. full code

-- TABEL USERS

CREATE TABLE Users (

id INT PRIMARY KEY,

name CHAR(100),

email CHAR(100),

phone INT,

address TEXT,

role VARCHAR(10),

created\_at DATE

);

-- table cars

CREATE TYPE transmission\_type AS ENUM ('manual', 'automatic');

CREATE TYPE sale\_type\_enum AS ENUM ('user', 'showroom');

CREATE TYPE status\_car\_enum AS ENUM ('available', 'sold', 'pending\_check', 'under\_review');

CREATE TABLE Cars (

id INT PRIMARY KEY,

user\_id INT REFERENCES Users(id),

brand CHAR(100),

model CHAR(100),

year INT,

price INT,

transmission transmission\_type,

service\_history CHAR(100),

fuel\_type TEXT,

mileage CHAR(100),

description TEXT,

sale\_type sale\_type\_enum,

status status\_car\_enum,

created\_at DATE

);

-- downPayments

CREATE TYPE payment\_status\_enum AS ENUM ('pending', 'confirmed', 'cancelled');

CREATE TABLE Down\_Payments (

id INT PRIMARY KEY,

user\_id INT REFERENCES Users(id),

car\_id INT REFERENCES Cars(id),

amount INT,

payment\_status payment\_status\_enum,

appointment\_date DATE,

payment\_proof CHAR(100),

created\_at DATE

);

-- sales\_records

CREATE TYPE status\_sales\_records\_enum AS ENUM ('pending', 'confirmed', 'cancelled');

CREATE TABLE sales\_records (

id INT PRIMARY KEY,

car\_id INT REFERENCES Cars(id),

buyer\_id INT REFERENCES Users(id),

saler\_id INT REFERENCES Users(id),

sale\_price INT,

sale\_date DATE,

status status\_sales\_records\_enum,

created\_at DATE

);

select \* from sales\_records

-- reviews

CREATE TYPE status\_review\_enum AS ENUM ('pending', 'approved', 'rejected');

CREATE TABLE reviews (

id INT PRIMARY KEY,

car\_id INT REFERENCES Cars(id),

user\_id INT REFERENCES Users(id),

rating INT CHECK (rating BETWEEN 1 AND 5),

comment TEXT,

photo\_review CHAR(255),

status status\_review\_enum,

created\_at DATE

);

select \* from reviews

-- offers

CREATE TABLE offers (

id INT PRIMARY KEY,

user\_id INT REFERENCES Users(id),

brand CHAR(100),

mileage CHAR(50),

status status\_review\_enum,

transmission transmission\_type,

offered\_price INT,

year INT,

model CHAR(100),

condition TEXT,

inspection\_date DATE,

created\_at DATE

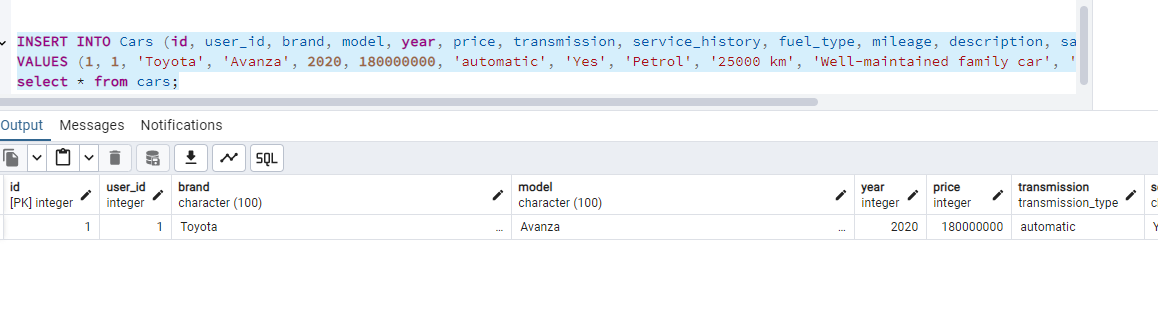
);

select \* from offers

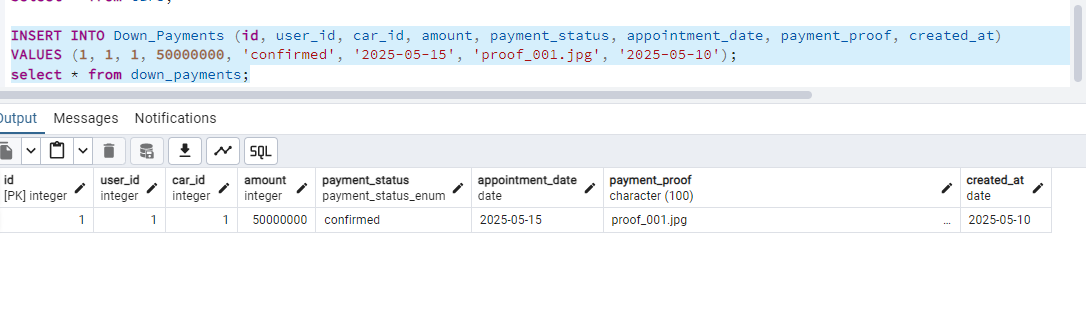
8. insert data users



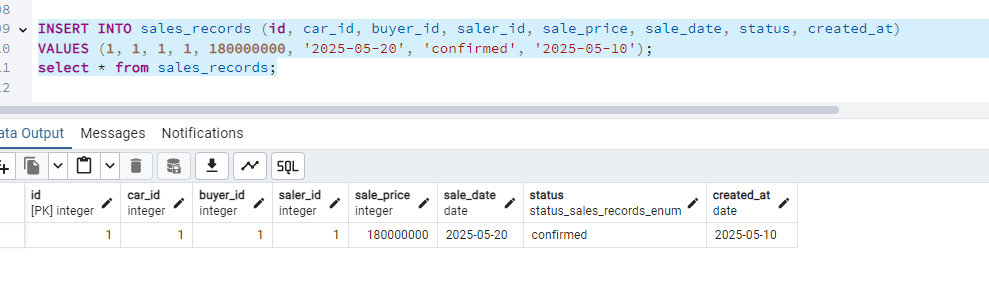
9. insert data cars



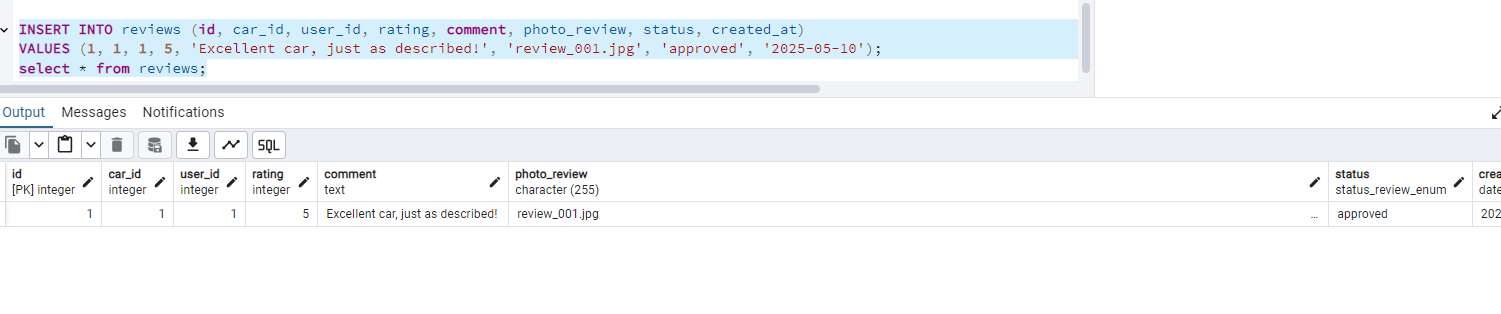
10. insert data down\_payments



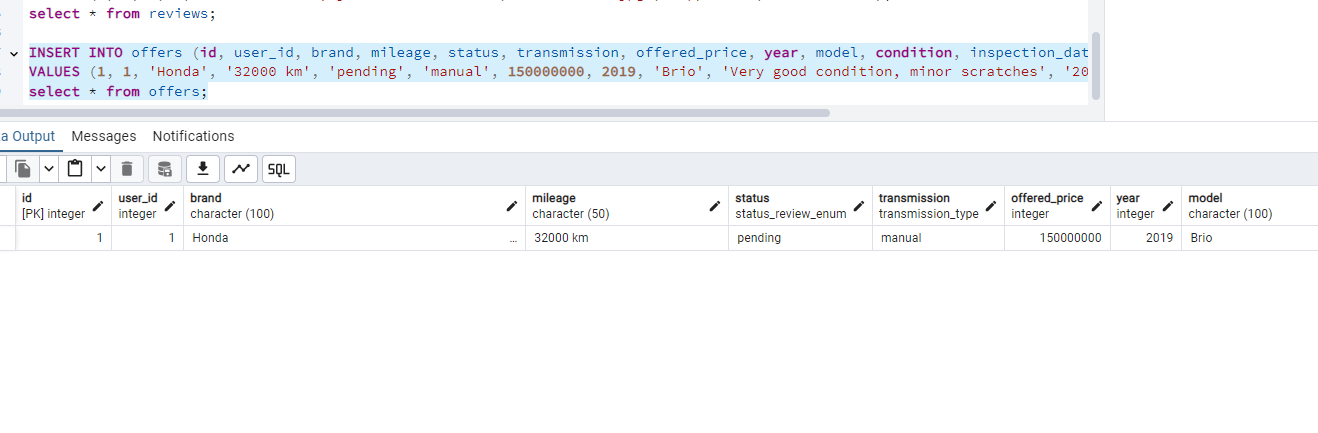
11. insert data sales\_record



12. reviews



13. offers



14. code data insert

INSERT INTO Users (id, name, email, phone, address, role, created\_at)

VALUES (1, 'Alice Smith', 'alice@example.com', 812345678, '123 Main St, Medan', 'user', '2025-05-10');

select \* from users;

INSERT INTO Cars (id, user\_id, brand, model, year, price, transmission, service\_history, fuel\_type, mileage, description, sale\_type, status, created\_at)

VALUES (1, 1, 'Toyota', 'Avanza', 2020, 180000000, 'automatic', 'Yes', 'Petrol', '25000 km', 'Well-maintained family car', 'showroom', 'available', '2025-05-10');

select \* from cars;

INSERT INTO Down\_Payments (id, user\_id, car\_id, amount, payment\_status, appointment\_date, payment\_proof, created\_at)

VALUES (1, 1, 1, 50000000, 'confirmed', '2025-05-15', 'proof\_001.jpg', '2025-05-10');

select \* from down\_payments;

INSERT INTO sales\_records (id, car\_id, buyer\_id, saler\_id, sale\_price, sale\_date, status, created\_at)

VALUES (1, 1, 1, 1, 180000000, '2025-05-20', 'confirmed', '2025-05-10');

select \* from sales\_records;

INSERT INTO reviews (id, car\_id, user\_id, rating, comment, photo\_review, status, created\_at)

VALUES (1, 1, 1, 5, 'Excellent car, just as described!', 'review\_001.jpg', 'approved', '2025-05-10');

select \* from reviews;

INSERT INTO offers (id, user\_id, brand, mileage, status, transmission, offered\_price, year, model, condition, inspection\_date, created\_at)

VALUES (1, 1, 'Honda', '32000 km', 'pending', 'manual', 150000000, 2019, 'Brio', 'Very good condition, minor scratches', '2025-05-12', '2025-05-10');

select \* from offers;