**1.**Buatlah database bernama 'dibimbing'. Buat table dengan nama table 'students' di schema 'public' berisi kolom 'id'(int), 'nama' (varchar), 'institute'(varchar), 'berat\_badan' (float), 'tinggi\_badan' (float). Isi table tersebut minimal 5 data dengan value yang berbeda-beda. Value dibebaskan isinya

# **JAWABAN NO.1**

tinggi\_badan FLOAT

> e Rules

);

-- Membuat tabel 'students' di schema 'public'
CREATE TABLE students (
 id INT PRIMARY KEY,
 nama VARCHAR(255),
 institute VARCHAR(255),
 berat badan FLOAT,

 dibimbing/postgres@PostgreSQL 16 ð > 🍧 Foreign Data Wrappers > C Languages > 🕸 Publications Scratch Pad × Membuat tabel 'students' di schema 'public' √ 

◆ public 2 - CREATE TABLE students ( > 🖣 Aggregates id INT PRIMARY KEY, nama VARCHAR(255), institute VARCHAR(255), > A Collations > 🏠 Domains berat\_badan FLOAT, tinggi\_badan FLOAT > 🔓 FTS Configurations > M FTS Dictionaries > Aa FTS Parsers > @ FTS Templates > <equation-block> Foreign Tables > ( Functions > Materialized Views > 🐁 Operators Data Output Messages Notifications > (() Procedures > 1..3 Sequences √ Image: Value of the property of the pro Query returned successfully in 86 msec. → III students → Î Columns (5) nama institute berat\_badan tinggi\_badan > M Constraints > 🧎 Indexes > 🔓 RLS Policies

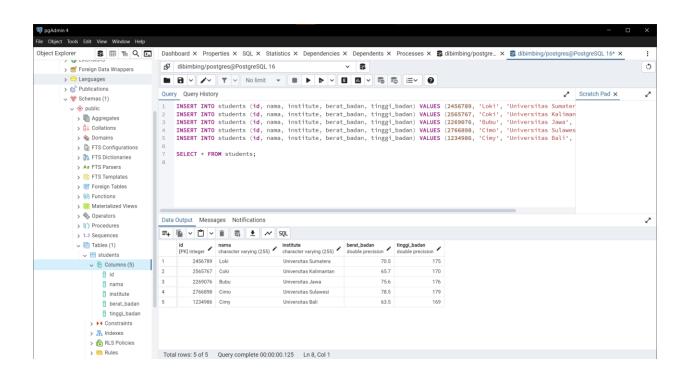
INSERT INTO students (id, nama, institute, berat\_badan, tinggi\_badan) VALUES (2456789, 'Loki', 'Universitas Sumatera', 70.5, 175.0);

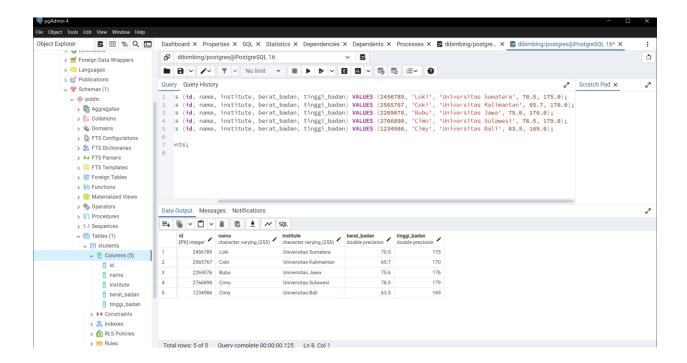
INSERT INTO students (id, nama, institute, berat\_badan, tinggi\_badan) VALUES (2565767, 'Coki', 'Universitas Kalimantan', 65.7, 170.0);

INSERT INTO students (id, nama, institute, berat\_badan, tinggi\_badan) VALUES (2269076, 'Bubu', 'Universitas Jawa', 75.6, 176.0);

INSERT INTO students (id, nama, institute, berat\_badan, tinggi\_badan) VALUES (2766898, 'Cimo', 'Universitas Sulawesi', 78.5, 179.0);

INSERT INTO students (id, nama, institute, berat\_badan, tinggi\_badan) VALUES (1234986, 'Cimy', 'Universitas Bali', 63.5, 169.0);





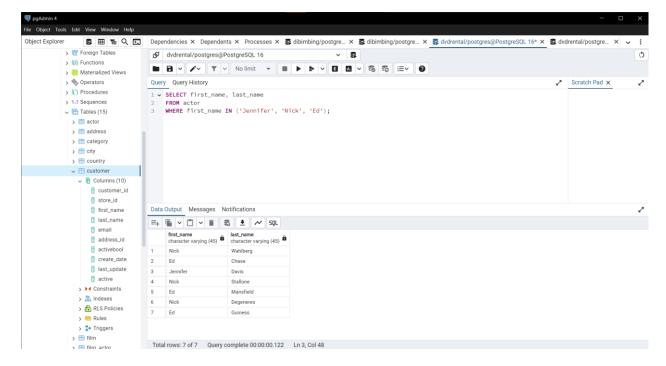
2. Tunjukan first\_name dan last\_name actor yang memiliki first\_name Jennifer, Nick, dan Ed

#### **JAWABAN NO. 2**

SELECT first\_name, last\_name

FROM actor

WHERE first\_name IN ('Jennifer', 'Nick', 'Ed');



**3.** Hitung Total Amount untuk setiap payment\_id yang Total Amount-nya lebih dari 5.99 (hint: menggunakan HAVING)

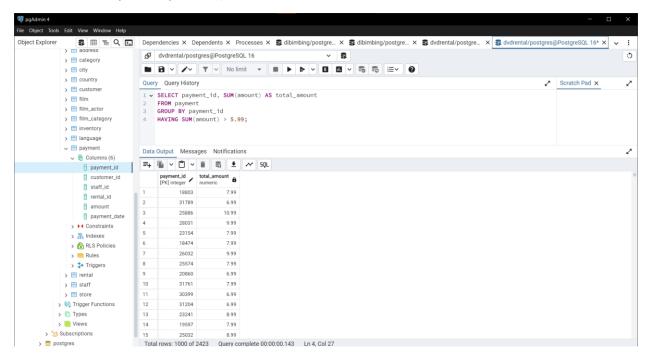
## **JAWABAN NO.3**

SELECT payment\_id, SUM(amount) AS total\_amount

FROM payment

GROUP BY payment\_id

HAVING SUM(amount) > 5.99;



4. Tunjukkan film.id, film.title, film.description and film\_length. Kelompokkan film.length ke dalam 4 categories(over 100, 87-100, 72-86 and under 72). Penamaan kelompok dibebaskan

# **JAWABAN NO. 4**

## **SELECT**

film.film\_id,

film.title,

film.description,

film.length,

**CASE** 

WHEN film.length > 100 THEN 'Over 100 Minutes'

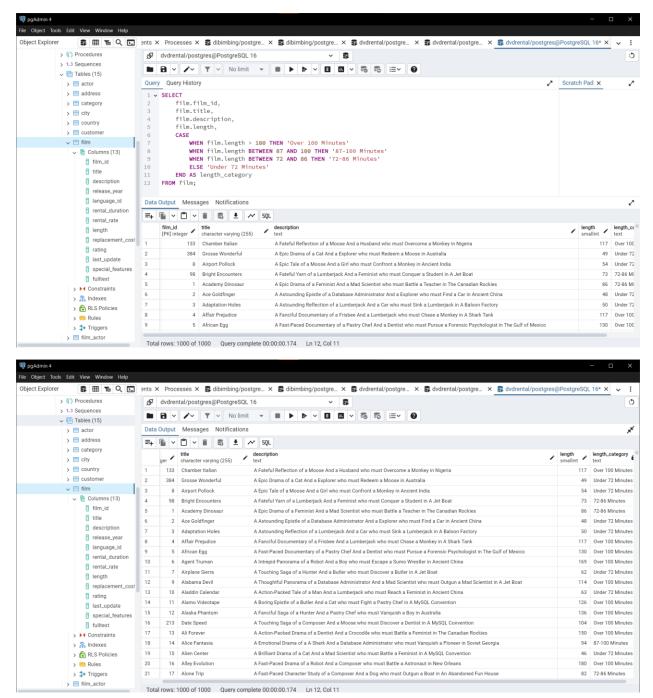
WHEN film.length BETWEEN 87 AND 100 THEN '87-100 Minutes'

WHEN film.length BETWEEN 72 AND 86 THEN '72-86 Minutes'

ELSE 'Under 72 Minutes'

END AS length\_category

# FROM film;



**5.** Dari tabel rental dan payment, tunjukkan 10 baris rental\_id, rental\_date, payment\_id, dan amount. Ordered by amount in ascending order.

# **JAWABAN NO.5**

### **SELECT**

rental\_rental\_id,

rental\_rental\_date,

payment\_id,

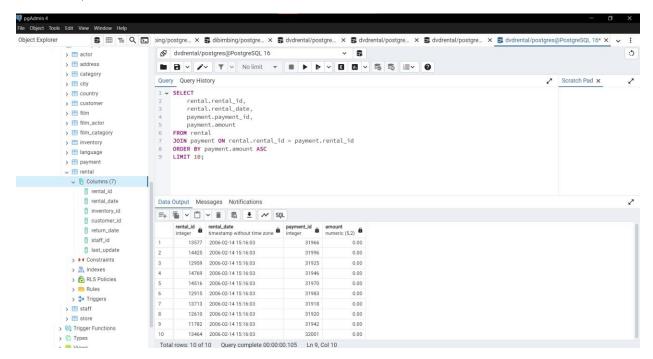
payment.amount

FROM rental

JOIN payment ON rental.rental\_id = payment.rental\_id

ORDER BY payment.amount ASC

# LIMIT 10;



6. Gabungkan address (seluruh kolom) yang memiliki city\_id = 42 dengan city\_id=300. Gunakan UNION

## **JAWABAN NO.6**

SELECT \*

FROM address

WHERE city\_id = 42

**UNION** 

SELECT \*

FROM address

WHERE city\_id = 300;

