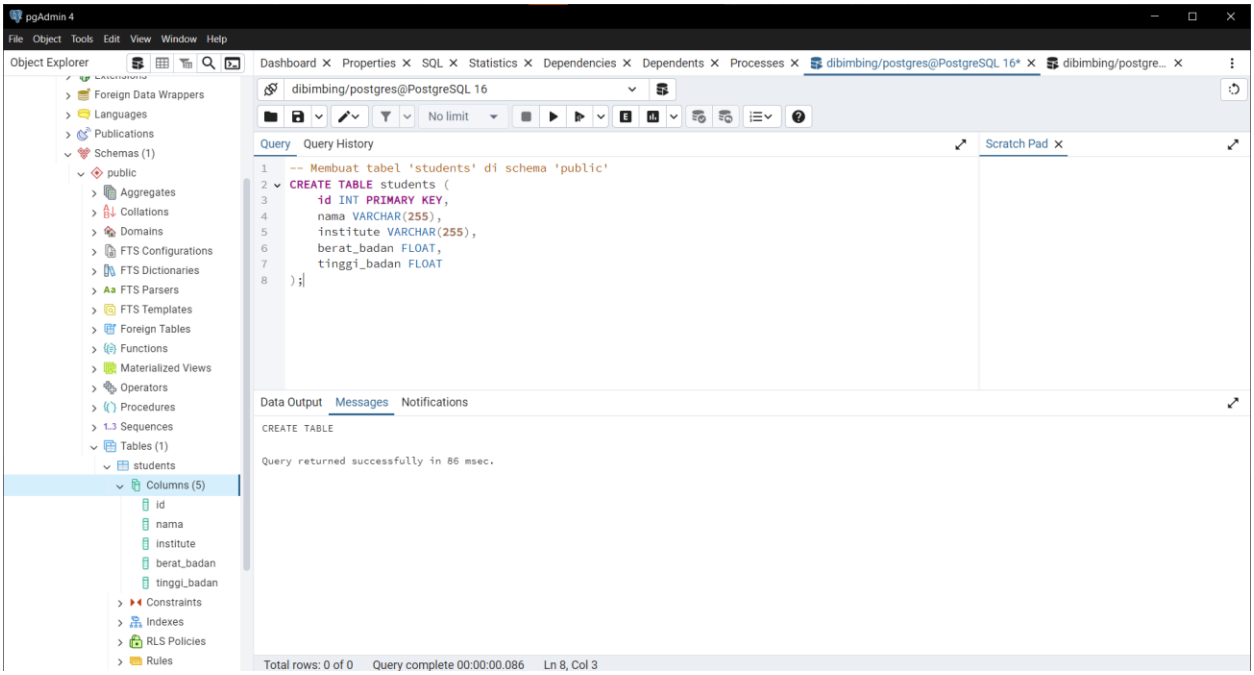
1.Buatlah database bernama ‘dibimbing’. Buat table dengan nama table ‘students’ di schema ‘public’ berisi kolom ‘id’(int), ‘nama’ (varchar), ‘institute’(varchar), ‘berat_badan’ (float), ‘tinggi_badan’ (float). Isi table tersebut minimal 5 data dengan value yang berbeda-beda. Value dibebaskan isinya

JAWABAN NO.1

```
-- Membuat tabel 'students' di schema 'public'
CREATE TABLE students (
    id INT PRIMARY KEY,
    nama VARCHAR(255),
    institute VARCHAR(255),
    berat_badan FLOAT,
    tinggi_badan FLOAT
);
```



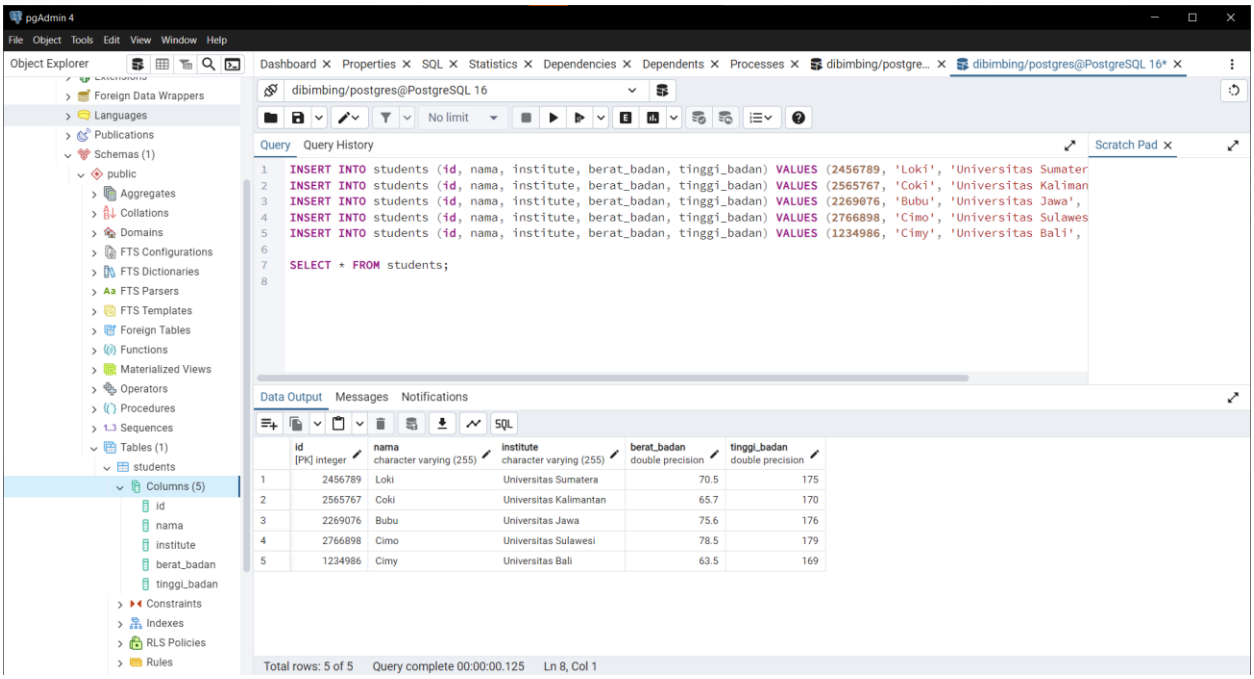
INSERT INTO students (id, nama, institute, berat_badan, tinggi_badan) VALUES (2456789, ‘Loki’, ‘Universitas Sumatera’, 70.5, 175.0);

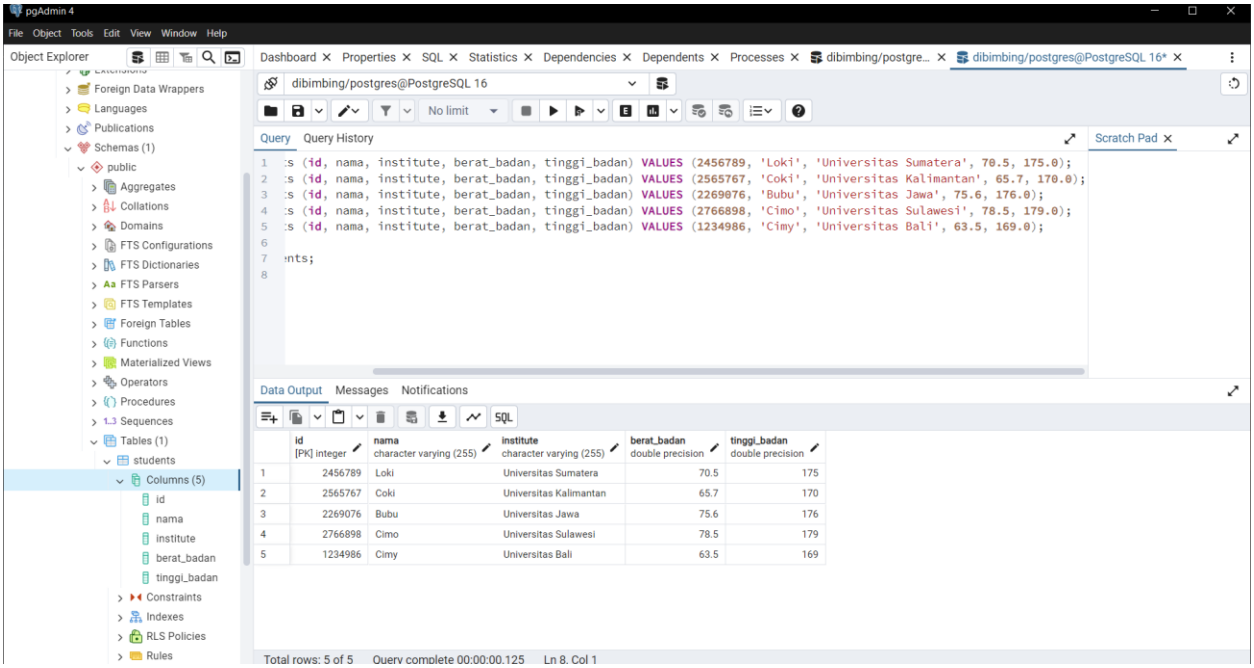
INSERT INTO students (id, nama, institute, berat_badan, tinggi_badan) VALUES (2565767, ‘Coki’, ‘Universitas Kalimantan’, 65.7, 170.0);

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);





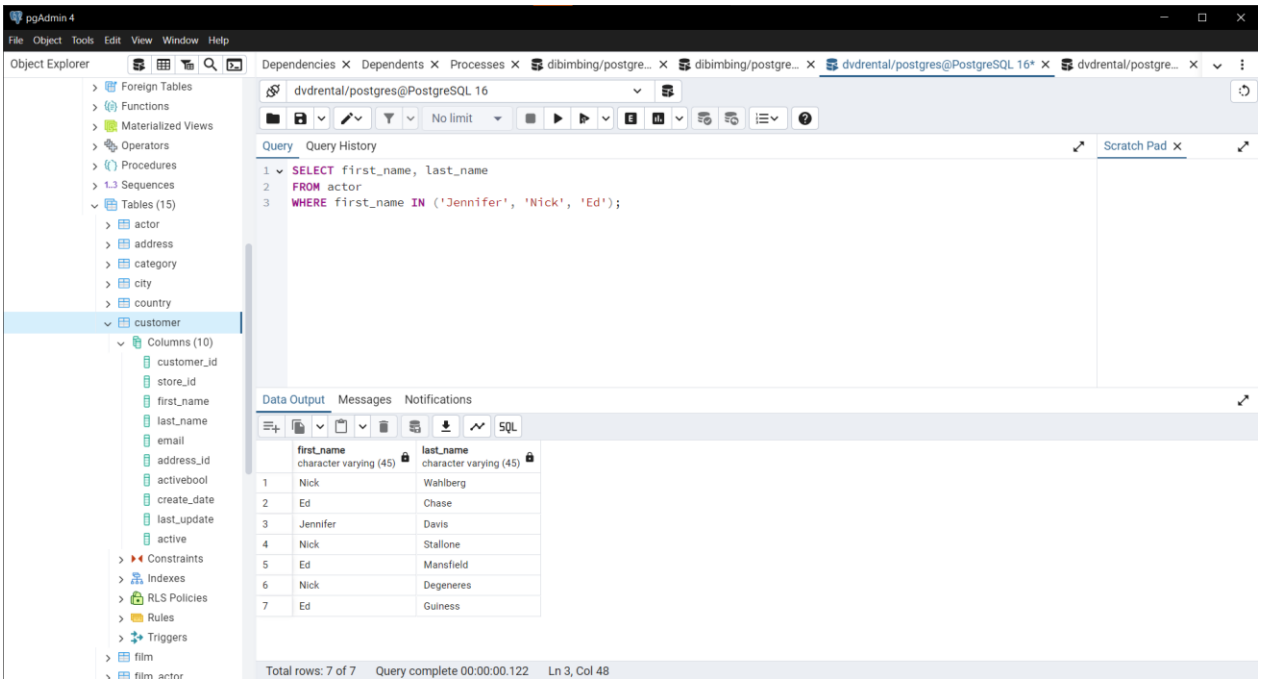
2. Tunjukan first_name dan last_name actor yang memiliki first_name Jennifer, Nick, dan Ed

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)

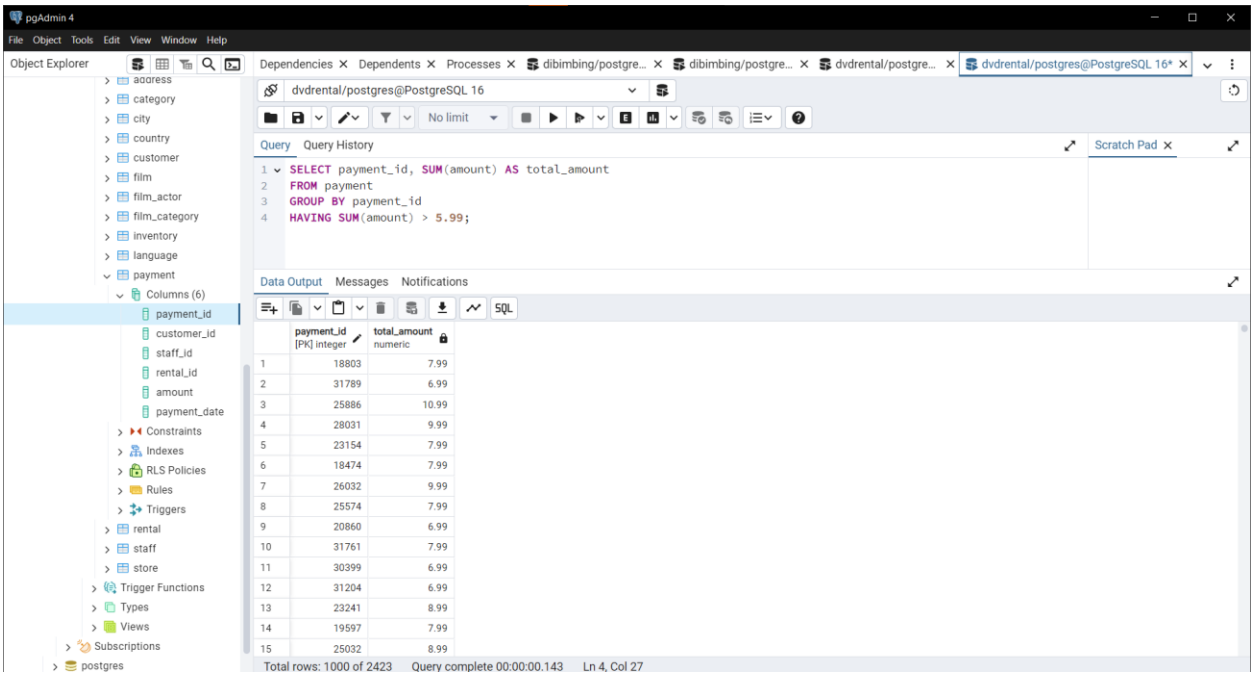
JAWABAN NO.3

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,

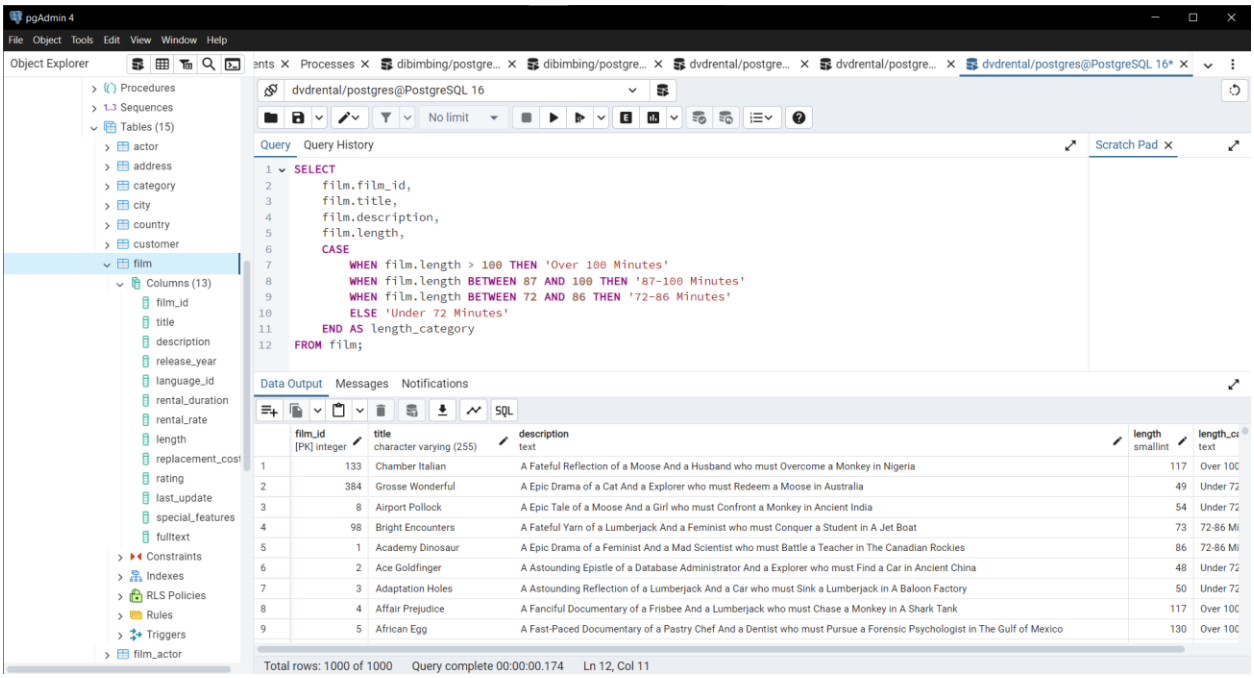
film.title,

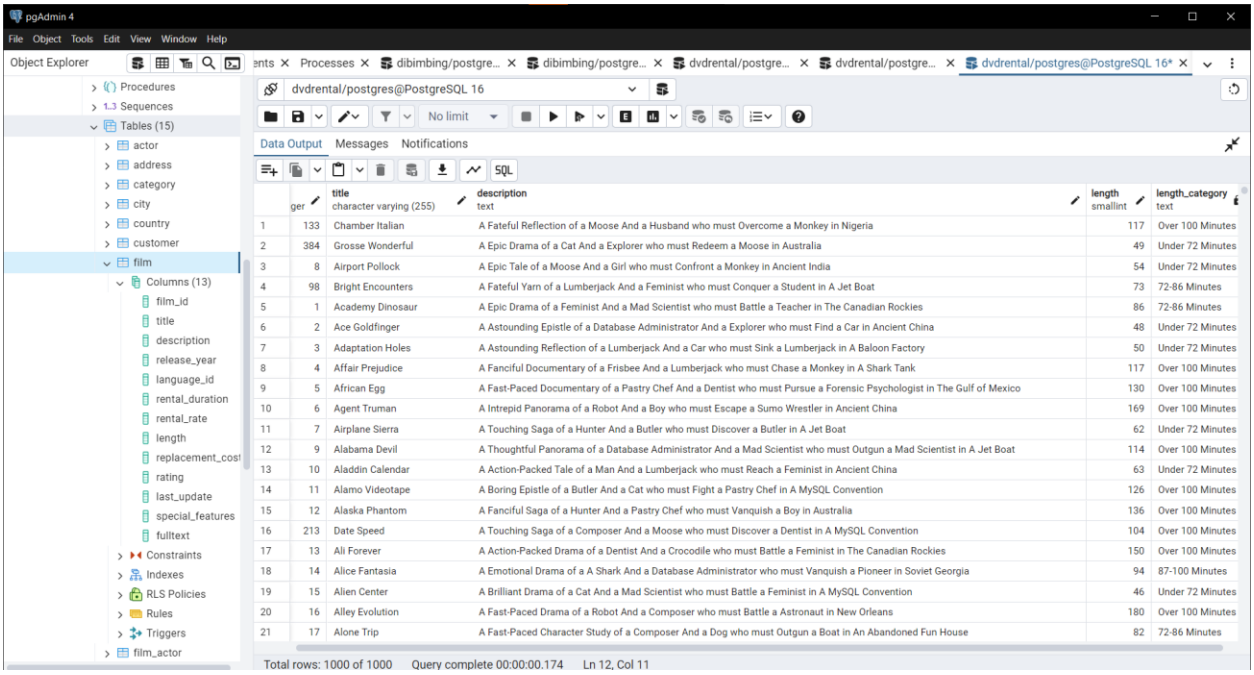
film.description,

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;
```

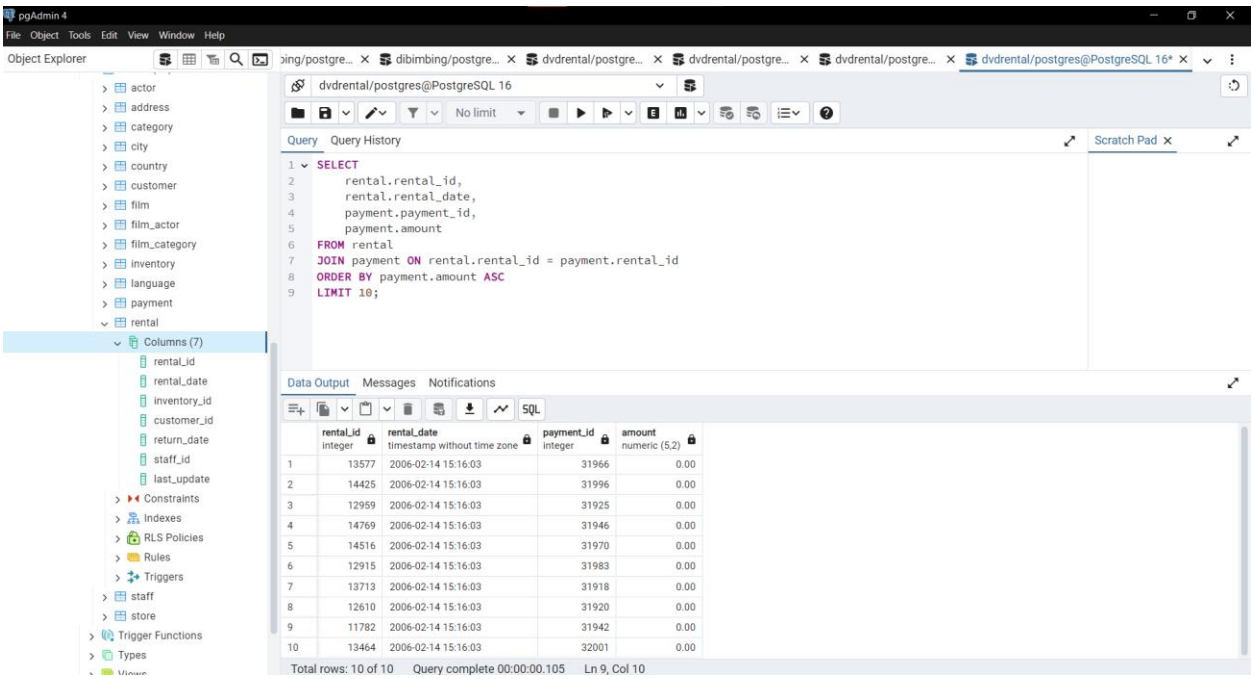




5. Dari tabel rental dan payment, tunjukkan 10 baris rental_id, rental_date, payment_id, dan amount. Ordered by amount in ascending order.

JAWABAN NO.5

```
SELECT
    rental.rental_id,
    rental.rental_date,
    payment.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;
```