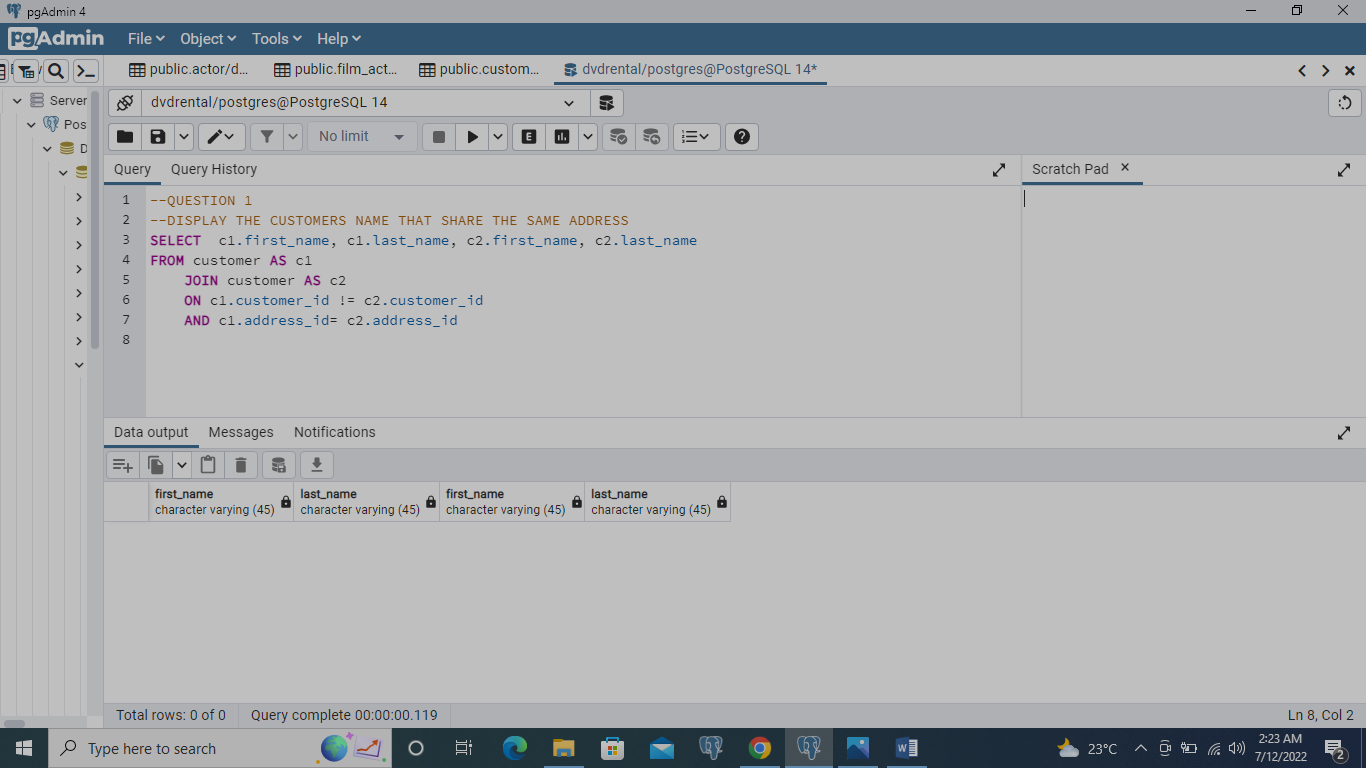
**NAME: ADEBOYE TOLULOPE MARY**

**E-MAIL:** [**adeboyetolulope0@gmail.com**](mailto:adeboyetolulope0@gmail.com)

**SQL PRACTICE ASSIGNMENT**

1. **Display the customer names that share the same address (e.g. Husband and Wife)**

****

**SELECT c1.first\_name, c1.last\_name, c2.first\_name, c2.last\_name**

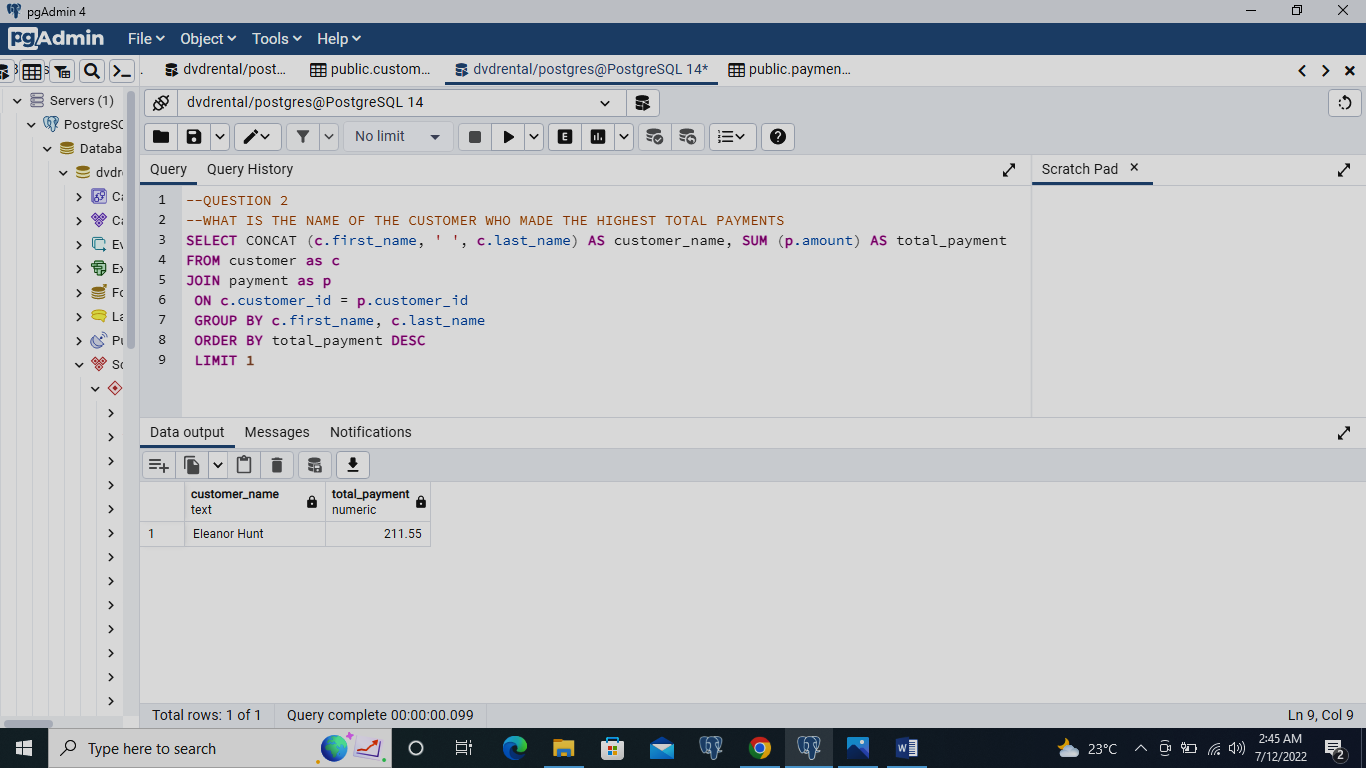
**FROM customer AS c1**

**JOIN customer AS c2**

**ON c1.customer\_id != c2.customer\_id**

**AND c1.address\_id= c2.address\_id**

1. **What is the name of the customer who made the highest total payments**



**SELECT CONCAT (c.first\_name, ' ', c.last\_name) AS customer\_name, SUM (p.amount) AS total\_payment**

**FROM customer as c**

**JOIN payment as p**

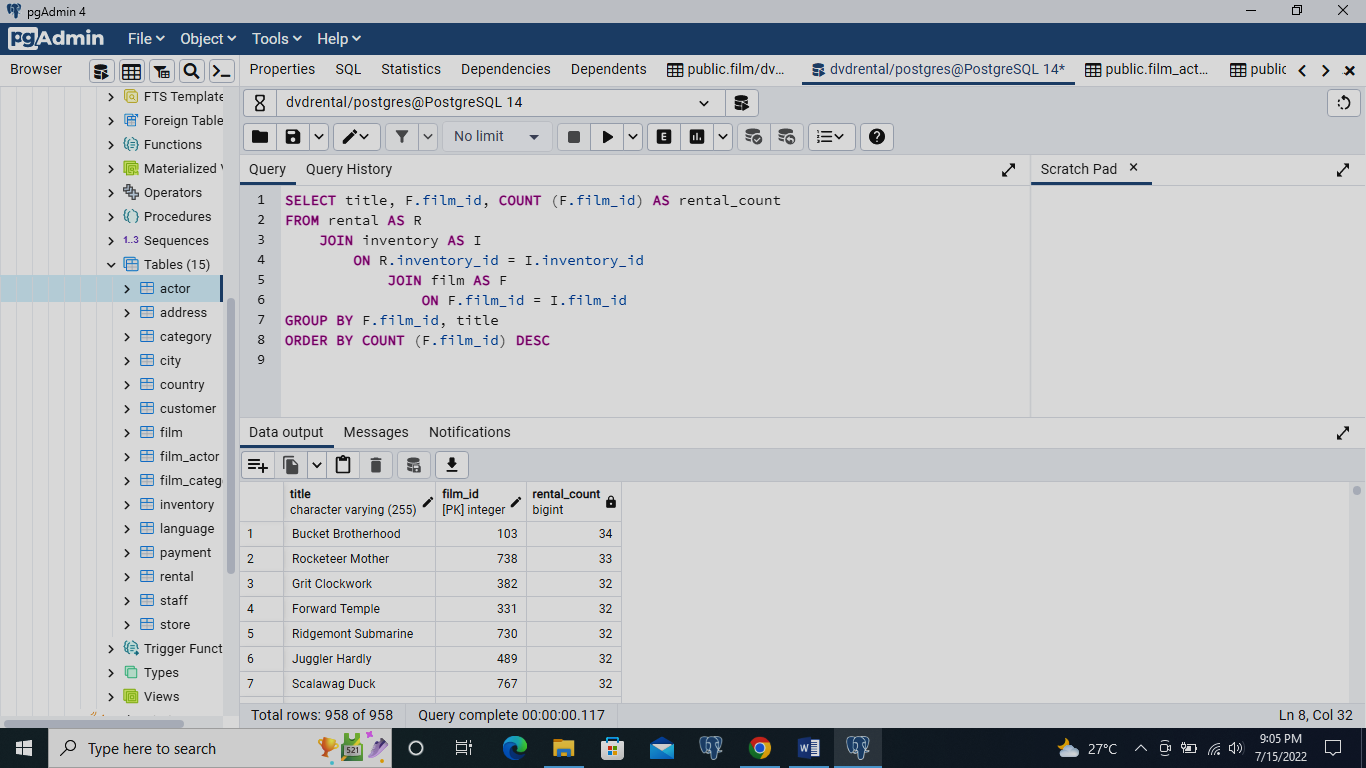
**ON c.customer\_id = p.customer\_id**

**GROUP BY c.first\_name, c.last\_name**

**ORDER BY total\_payment DESC**

**LIMIT 1**

1. **What is the movie(s) that was rented the most?**

****

**SELECT title, F.film\_id, COUNT (F.film\_id) AS rental\_count**

**FROM rental AS R**

**JOIN inventory AS I**

**ON R.inventory\_id = I.inventory\_id**

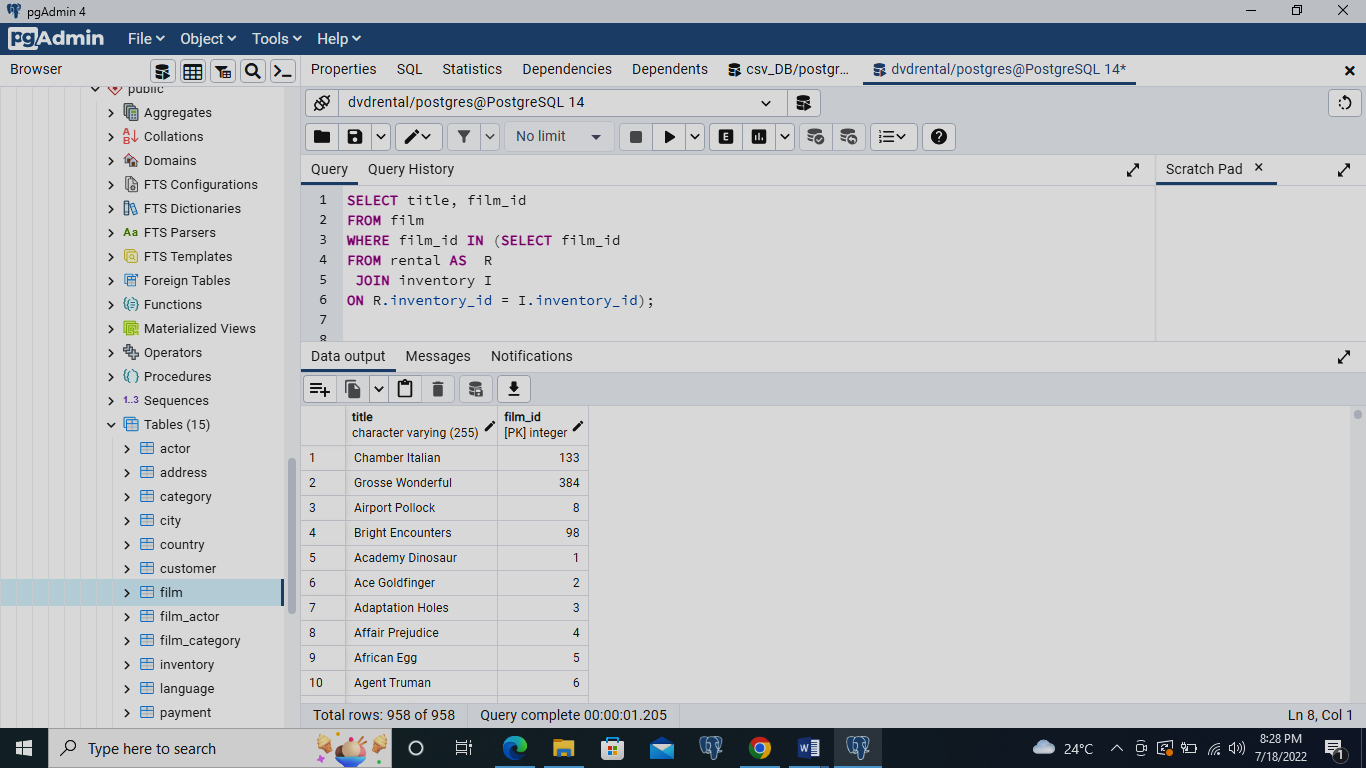
**JOIN film AS F**

**ON F.film\_id = I.film\_id**

**GROUP BY F.film\_id, title**

**ORDER BY COUNT (F.film\_id) DESC**

1. **Which movies has been rented so far?**



**SELECT title, film\_id**

**FROM film**

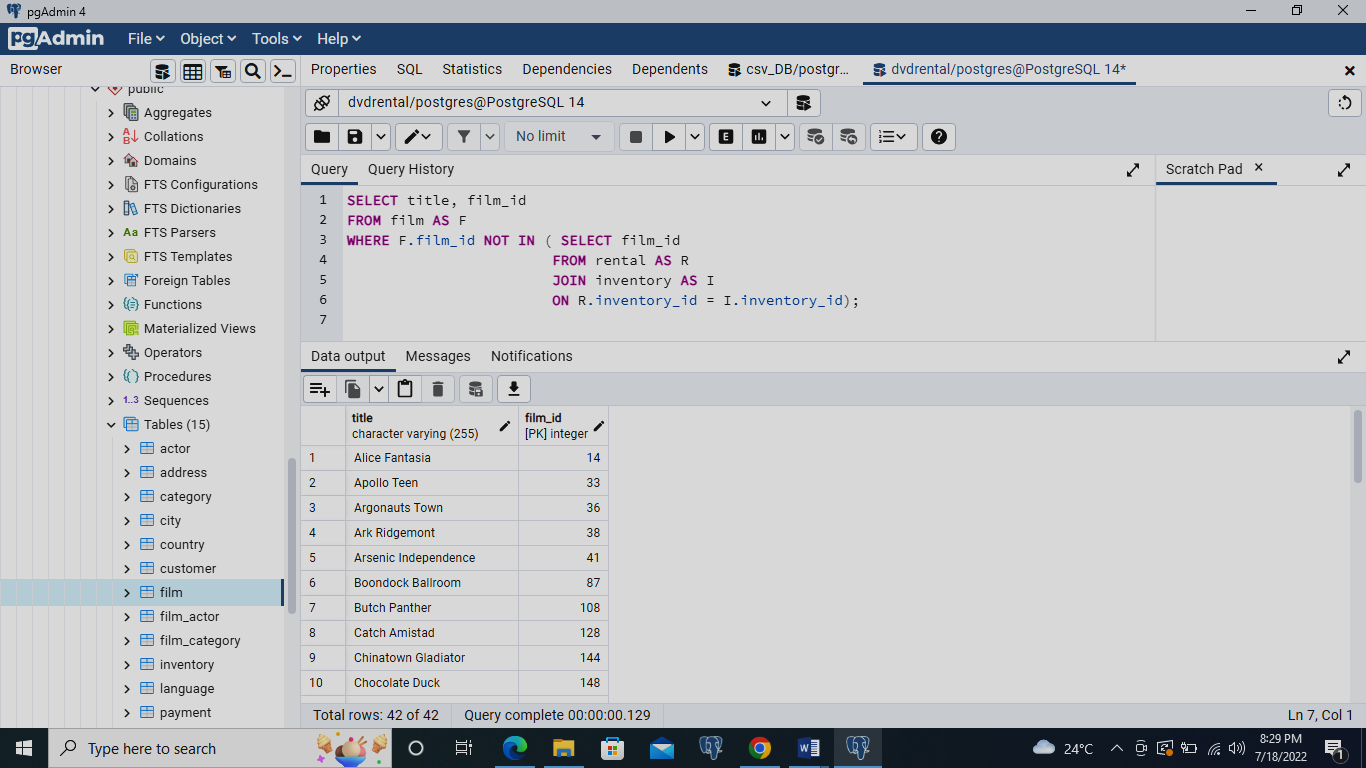
**WHERE film\_id IN (SELECT film\_id**

**FROM rental AS R**

**JOIN inventory I**

**ON R.inventory\_id = I.inventory\_id);**

1. **Which movies have not been rented so far**



**SELECT title, film\_id**

**FROM film AS F**

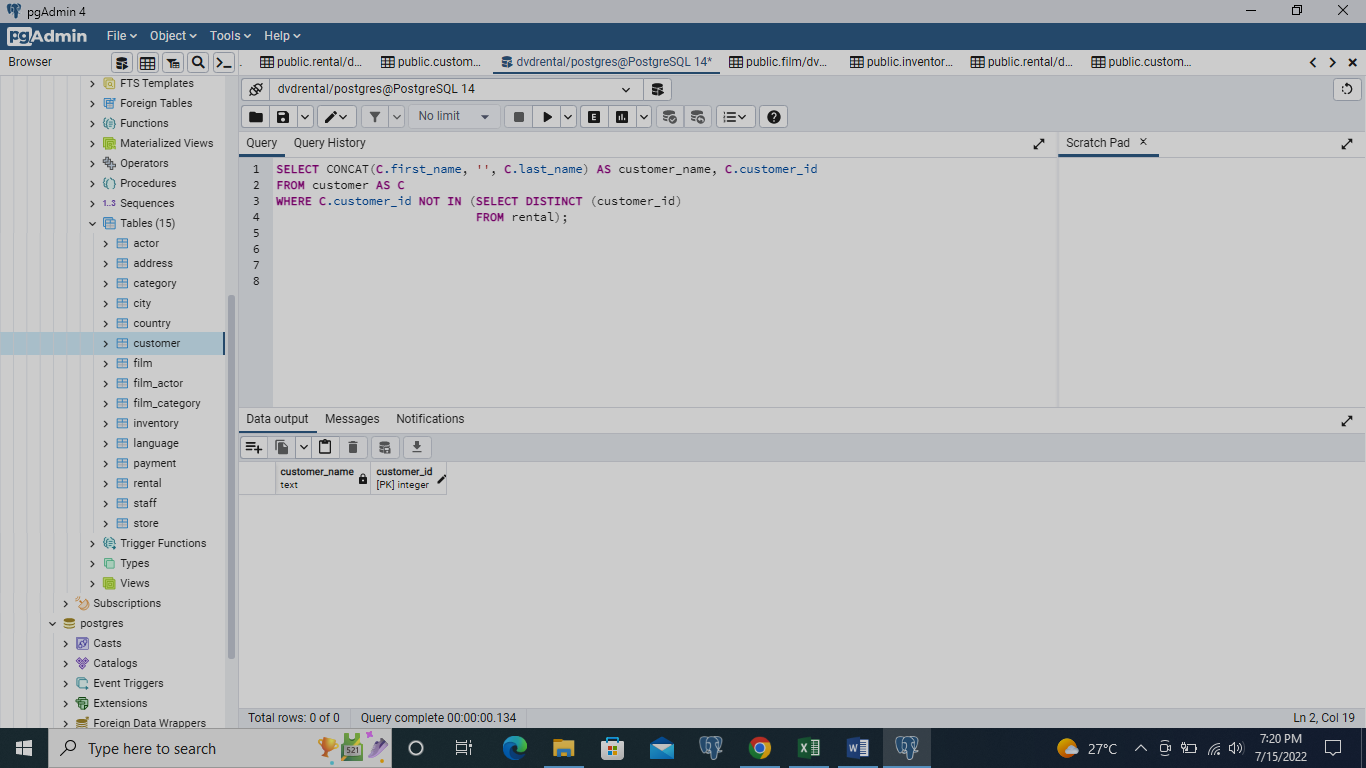
**WHERE F.film\_id NOT IN ( SELECT film\_id**

**FROM rental AS R**

**JOIN inventory AS I**

**ON R.inventory\_id = I.inventory\_id);**

1. **Which customers have not rented any movie so far?**

****

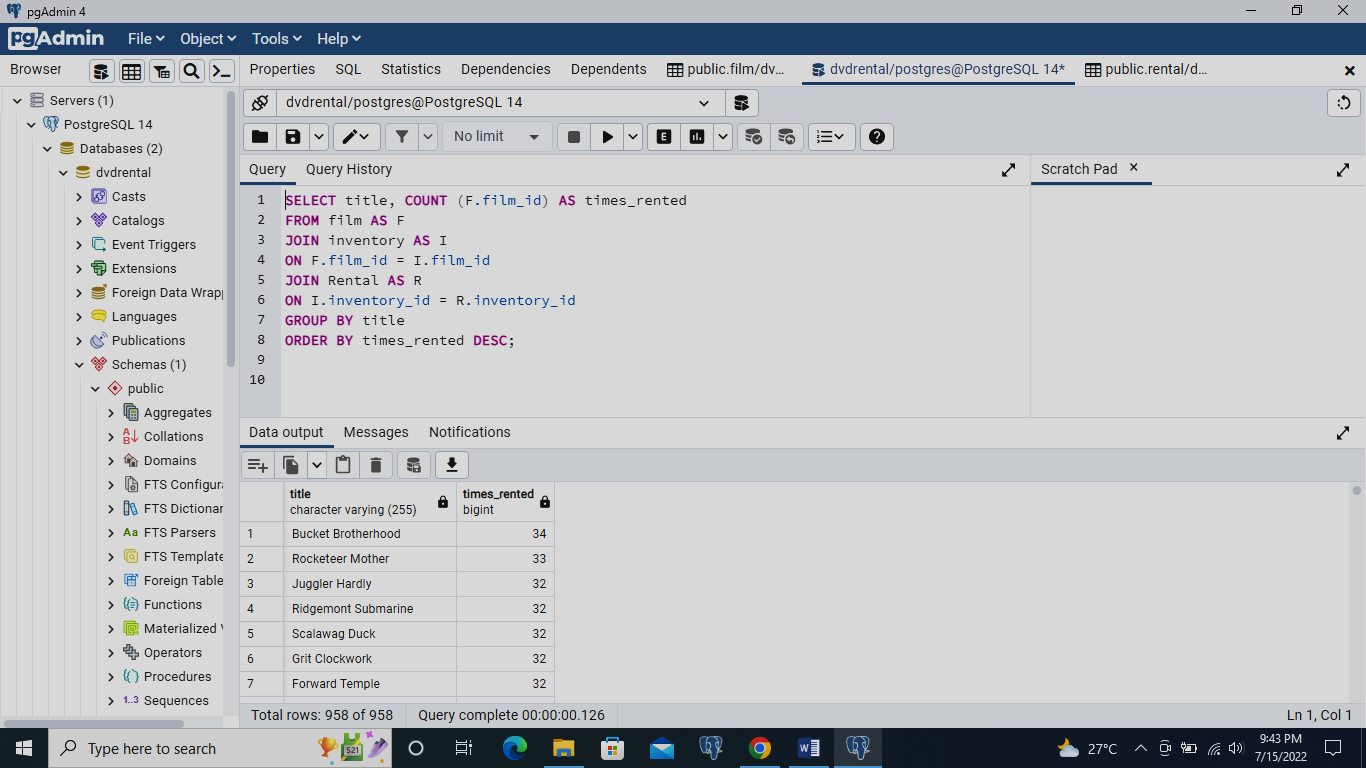
**SELECT CONCAT(C.first\_name, '', C.last\_name) AS customer\_name, C.customer\_id**

**FROM customer AS C**

**WHERE C.customer\_id NOT IN (SELECT DISTINCT (customer\_id)**

**FROM rental);**

1. **Display each movie and the number of times it got rented?**



**SELECT title, COUNT (F.film\_id) AS times\_rented**

**FROM film AS F**

**JOIN inventory AS I**

**ON F.film\_id = I.film\_id**

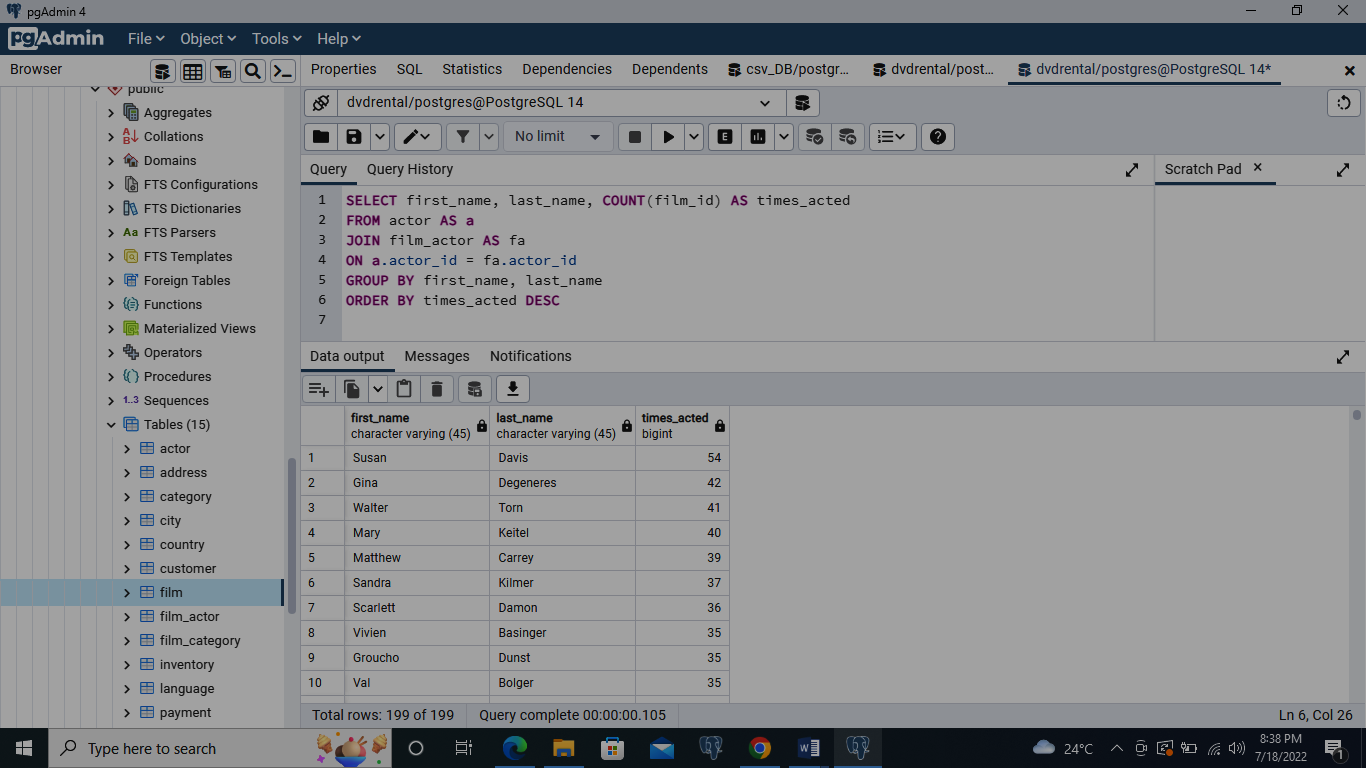
**JOIN Rental AS R**

**ON I.inventory\_id = R.inventory\_id**

**GROUP BY title**

**ORDER BY times\_rented DESC;**

1. **Show the first name and last name and the number of films each actor acted in**



**SELECT first\_name, last\_name, COUNT(film\_id) AS times\_acted**

**FROM actor AS a**

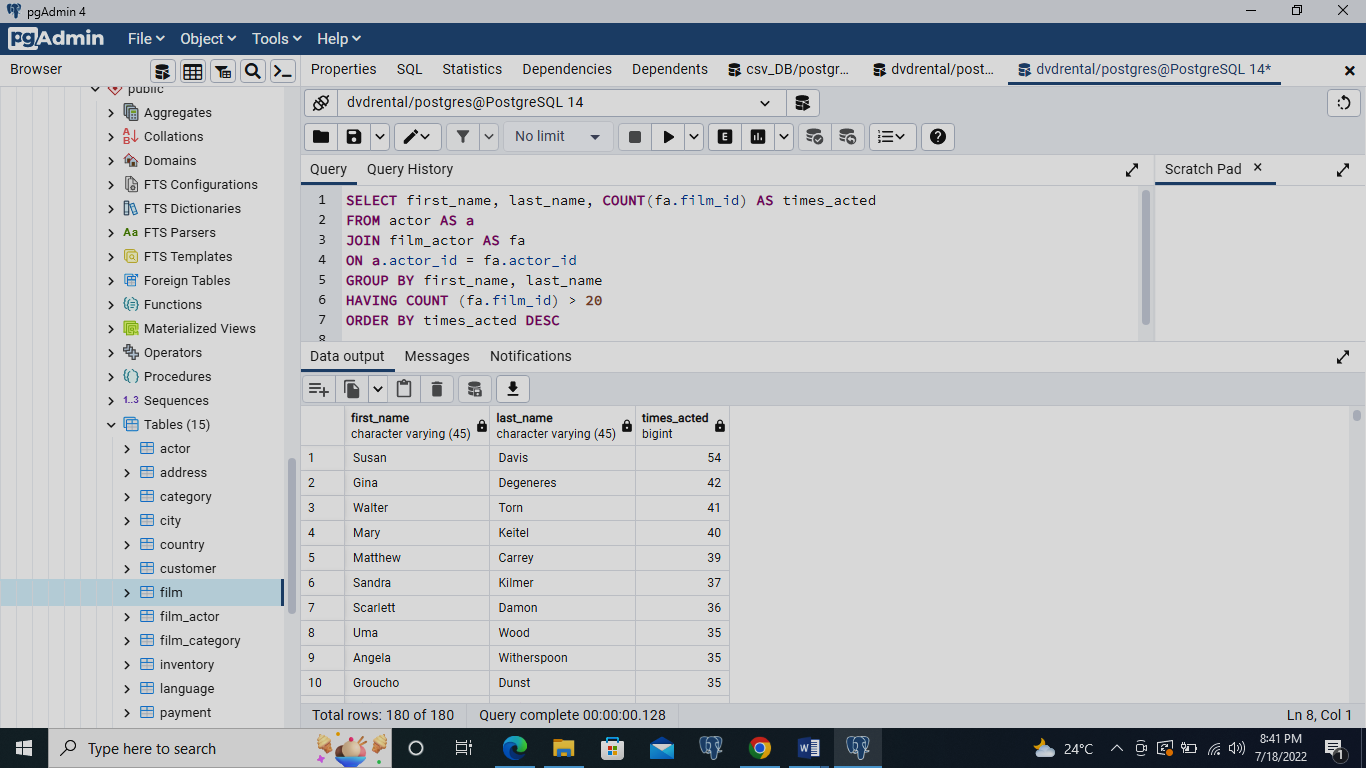
**JOIN film\_actor AS fa**

**ON a.actor\_id = fa.actor\_id**

**GROUP BY first\_name, last\_name**

**ORDER BY times\_acted DESC**

1. **Display the names of the actor that acted in more than 20 movies**



**SELECT first\_name, last\_name, COUNT(fa.film\_id) AS times\_acted**

**FROM actor AS a**

**JOIN film\_actor AS fa**

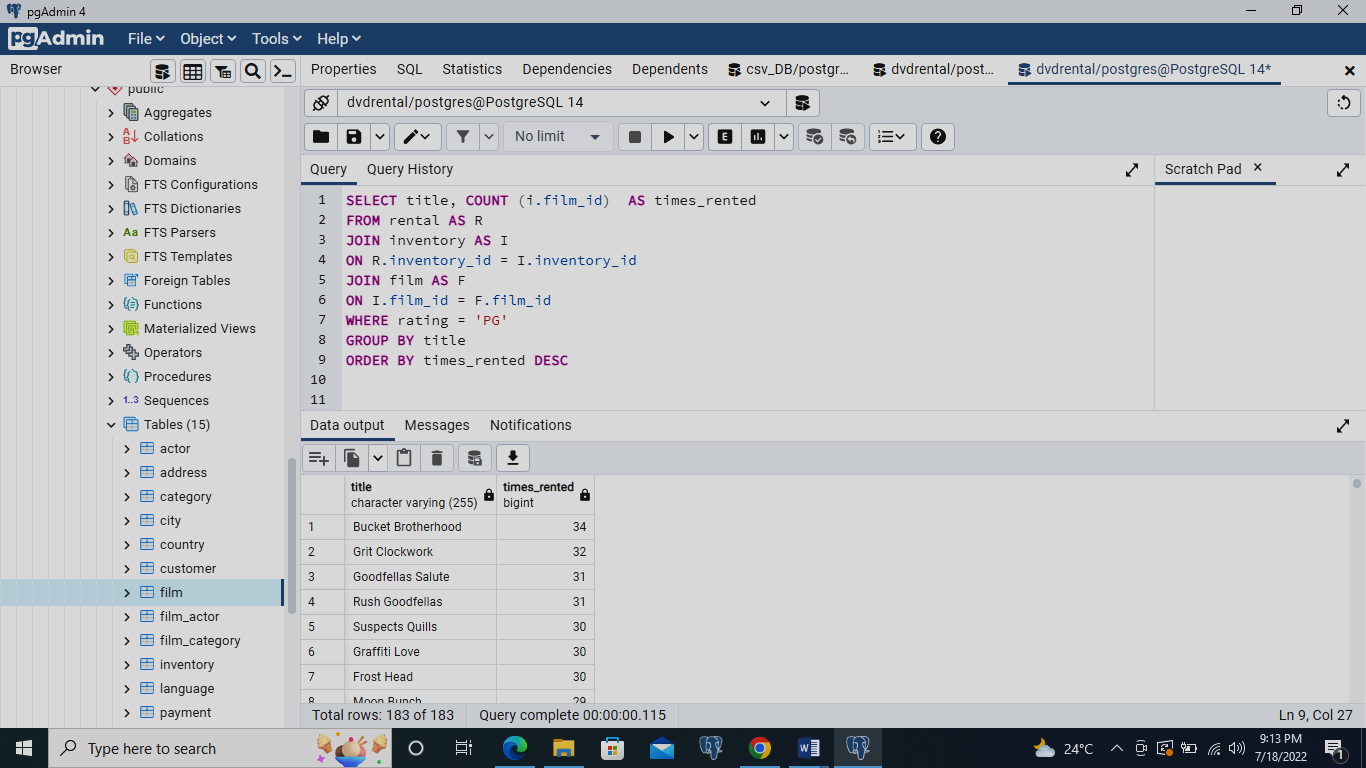
**ON a.actor\_id = fa.actor\_id**

**GROUP BY first\_name, last\_name**

**HAVING COUNT (fa.film\_id) > 20**

**ORDER BY times\_acted DESC**

1. **For all movies rated “PG”, show me the movies and the number of time it got rented.**



**SELECT title, COUNT (i.film\_id) AS times\_rented**

**FROM rental AS R**

**JOIN inventory AS I**

**ON R.inventory\_id = I.inventory\_id**

**JOIN film AS F**

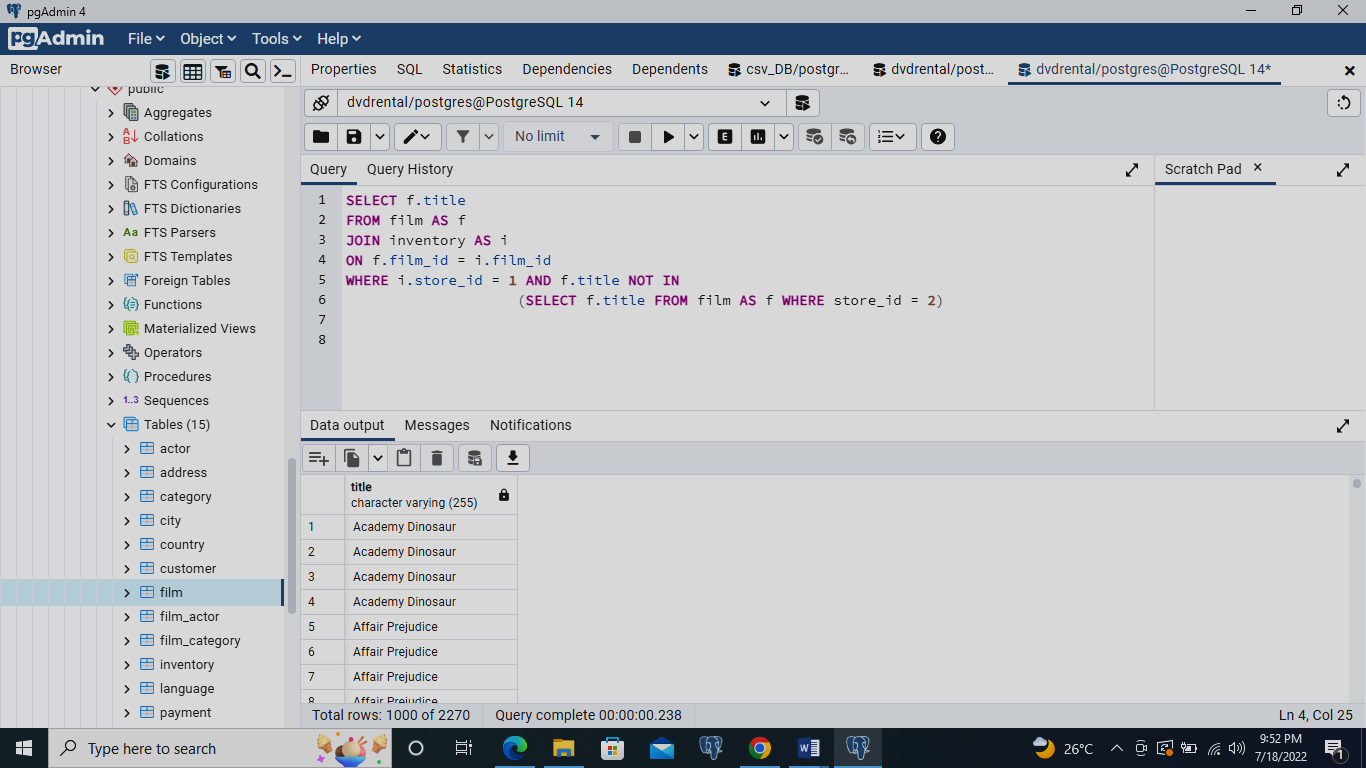
**ON I.film\_id = F.film\_id**

**WHERE rating = 'PG'**

**GROUP BY title**

**ORDER BY times\_rented DESC**

1. **Display the movies offered for rent in store\_id1 and not offered in store\_id2**



**SELECT f.title**

**FROM film AS f**

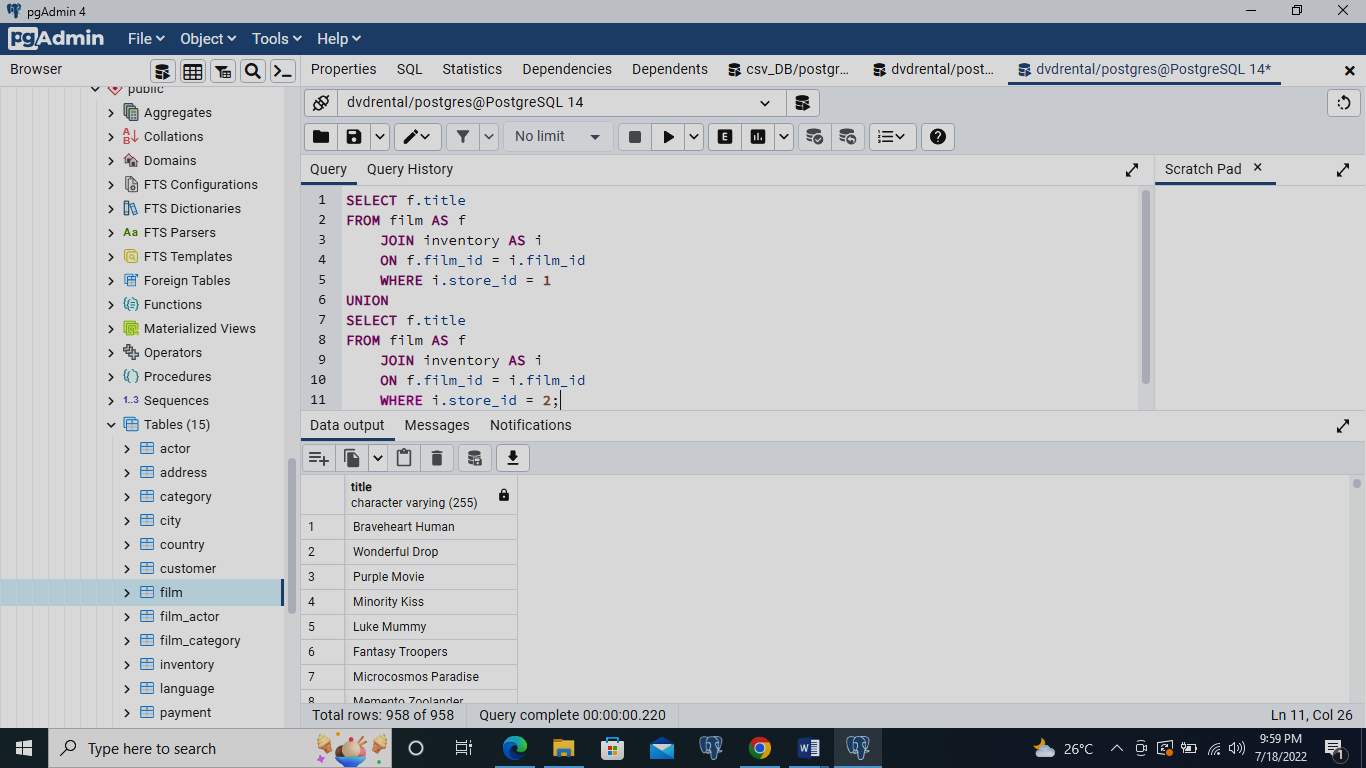
**JOIN inventory AS i**

**ON f.film\_id = i.film\_id**

**WHERE i.store\_id = 1 AND f.title NOT IN**

**(SELECT f.title FROM film AS f WHERE store\_id = 2)**

1. **Display the movie offered for rent in any of the two stores 1 and 2**



**SELECT f.title**

**FROM film AS f**

**JOIN inventory AS i**

**ON f.film\_id = i.film\_id**

**WHERE i.store\_id = 1**

**UNION**

**SELECT f.title**

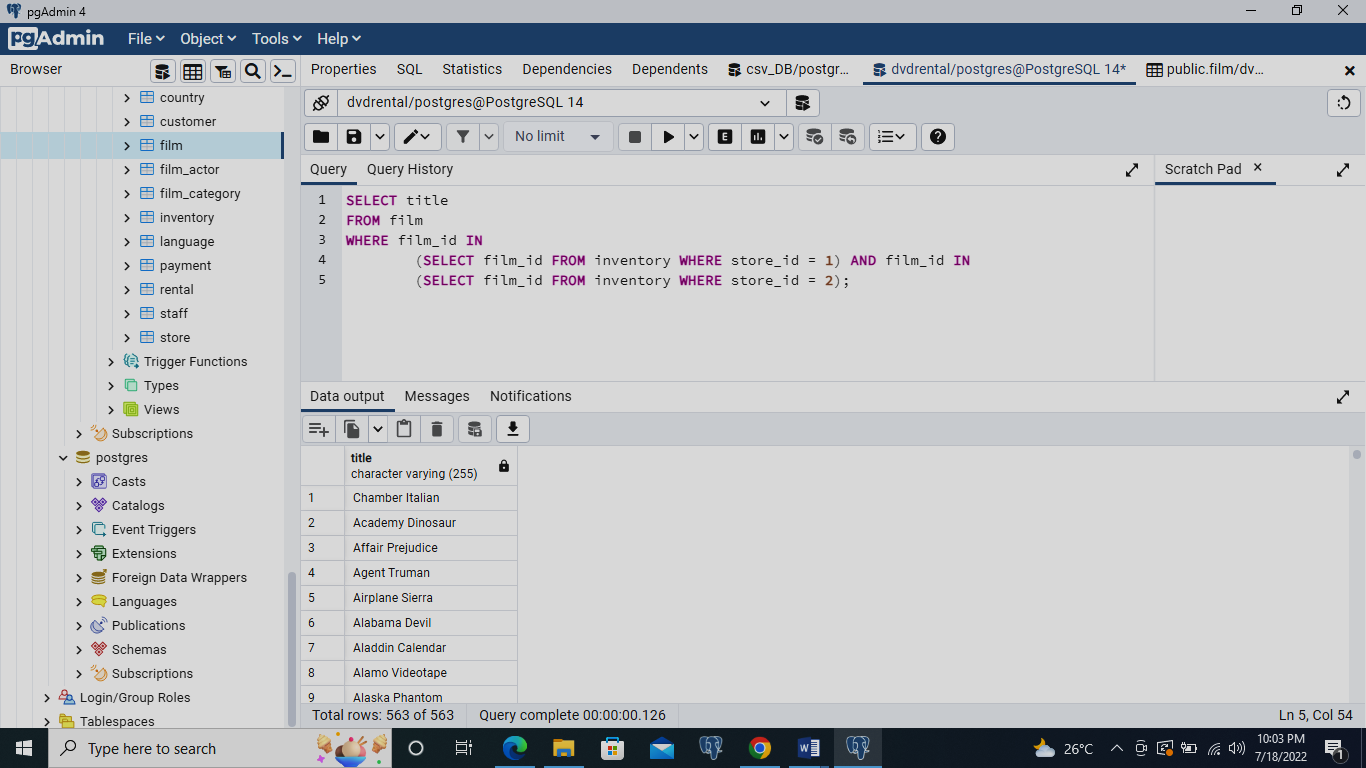
**FROM film AS f**

**JOIN inventory AS i**

**ON f.film\_id = i.film\_id**

**WHERE i.store\_id = 2;**

1. **Display the movie titles of those movies offered in both stores at the same time**



**SELECT title**

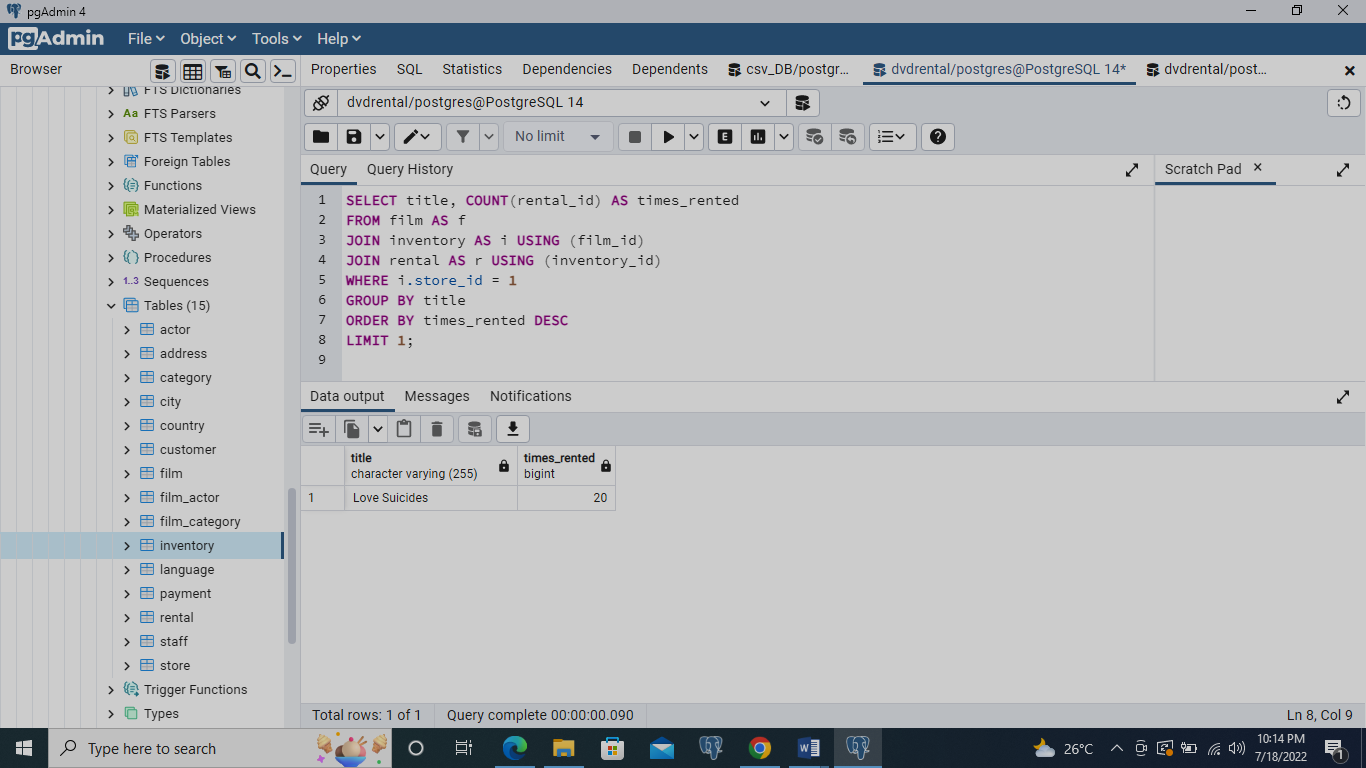
**FROM film**

**WHERE film\_id IN**

**(SELECT film\_id FROM inventory WHERE store\_id = 1) AND film\_id IN**

**(SELECT film\_id FROM inventory WHERE store\_id = 2);**

1. **Display the movie title for the most rented movie in the store with store id 1**



**SELECT title, COUNT(rental\_id) AS times\_rented**

**FROM film AS f**

**JOIN inventory AS i USING (film\_id)**

**JOIN rental AS r USING (inventory\_id)**

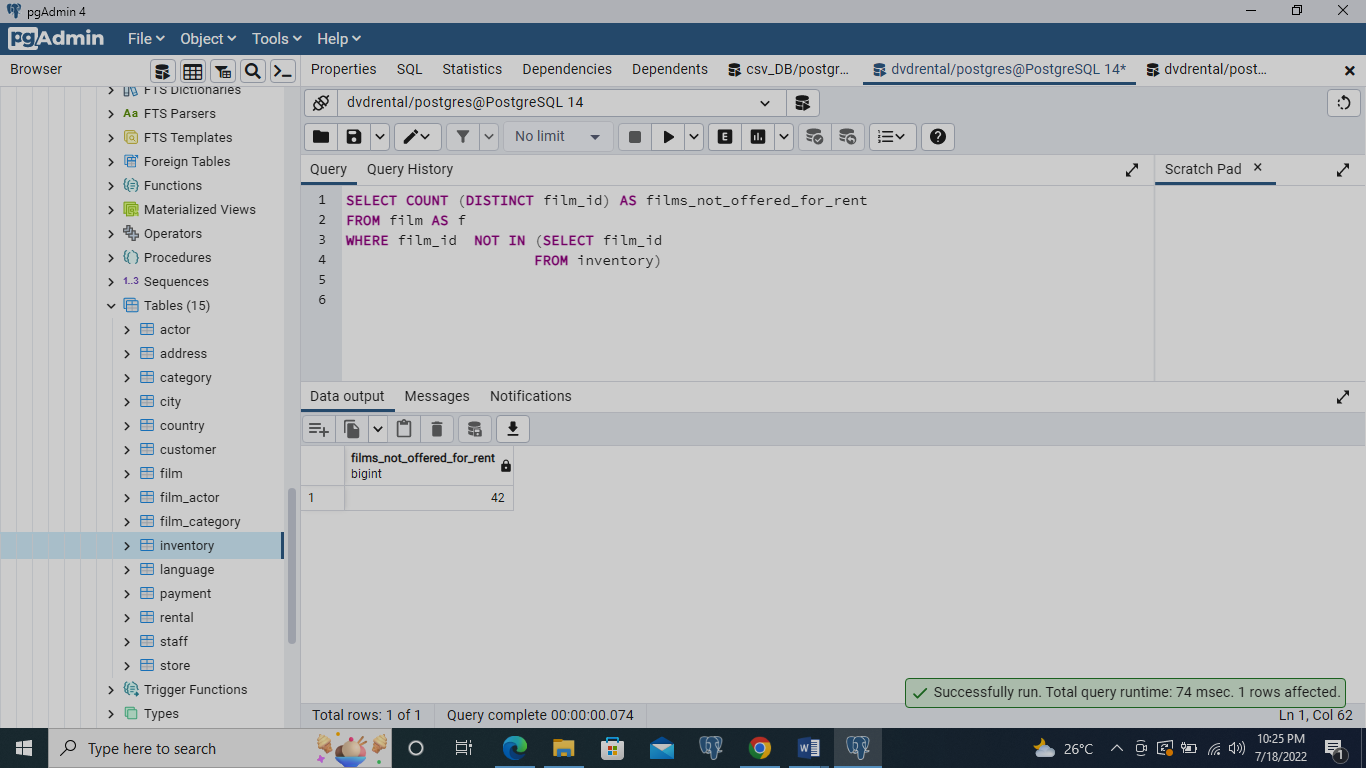
**WHERE i.store\_id = 1**

**GROUP BY title**

**ORDER BY times\_rented DESC**

**LIMIT 1;**

1. **How many movies are not offered for rent in the stores yet, there are two stores 1 and 2.**



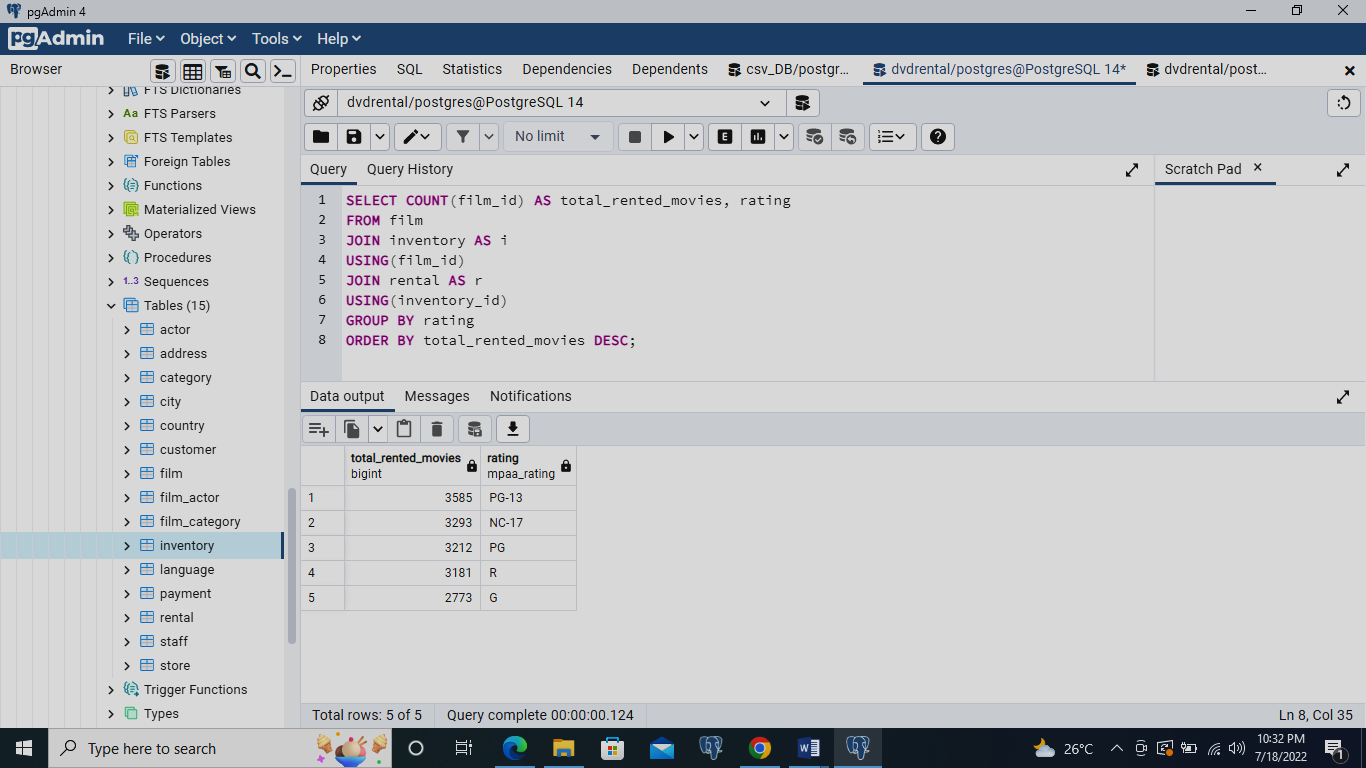
**SELECT COUNT (DISTINCT film\_id) AS films\_not\_offered\_for\_rent**

**FROM film AS f**

**WHERE film\_id NOT IN (SELECT film\_id**

**FROM inventory)**

1. **Show the number of rented movies under each rating.**



**SELECT COUNT(film\_id) AS total\_rented\_movies, rating**

**FROM film**

**JOIN inventory AS i**

**USING(film\_id)**

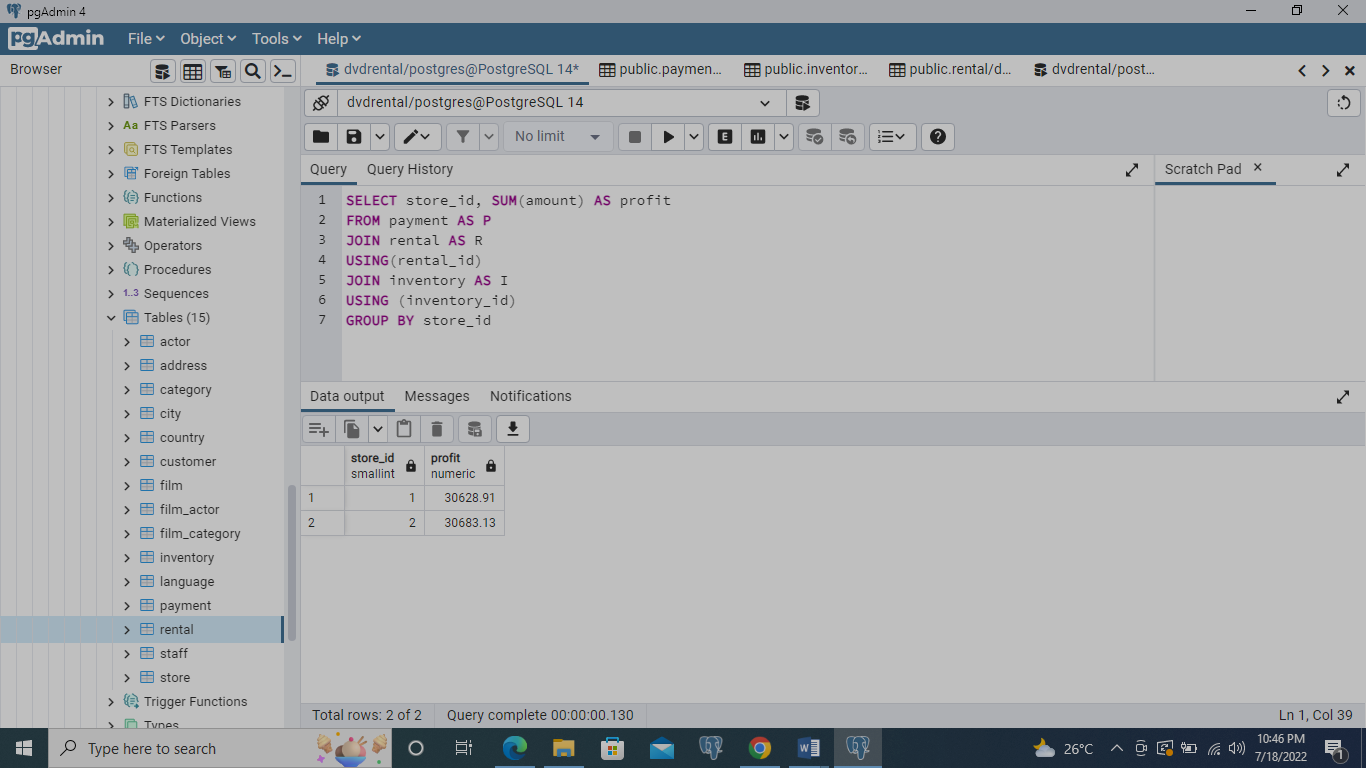
**JOIN rental AS r**

**USING(inventory\_id)**

**GROUP BY rating**

**ORDER BY total\_rented\_movies DESC;**

1. **Show the profit of each of the stores 1 and 2**



**SELECT store\_id, SUM(amount) AS profit**

**FROM payment AS P**

**JOIN rental AS R**

**USING(rental\_id)**

**JOIN inventory AS I**

**USING (inventory\_id)**

**GROUP BY store\_id**