1) My partner and I want to come by each of the stores in person and meet the managers. Please send over the managers’ names at each store, with the full address of each property (street address, district, city, and country please).

QUERY:

SELECT first\_name AS manager\_first\_name,last\_name AS manager\_last\_name,address,city,district,country FROM staff

INNER JOIN store

ON store.store\_id=staff.store\_id

INNER JOIN address

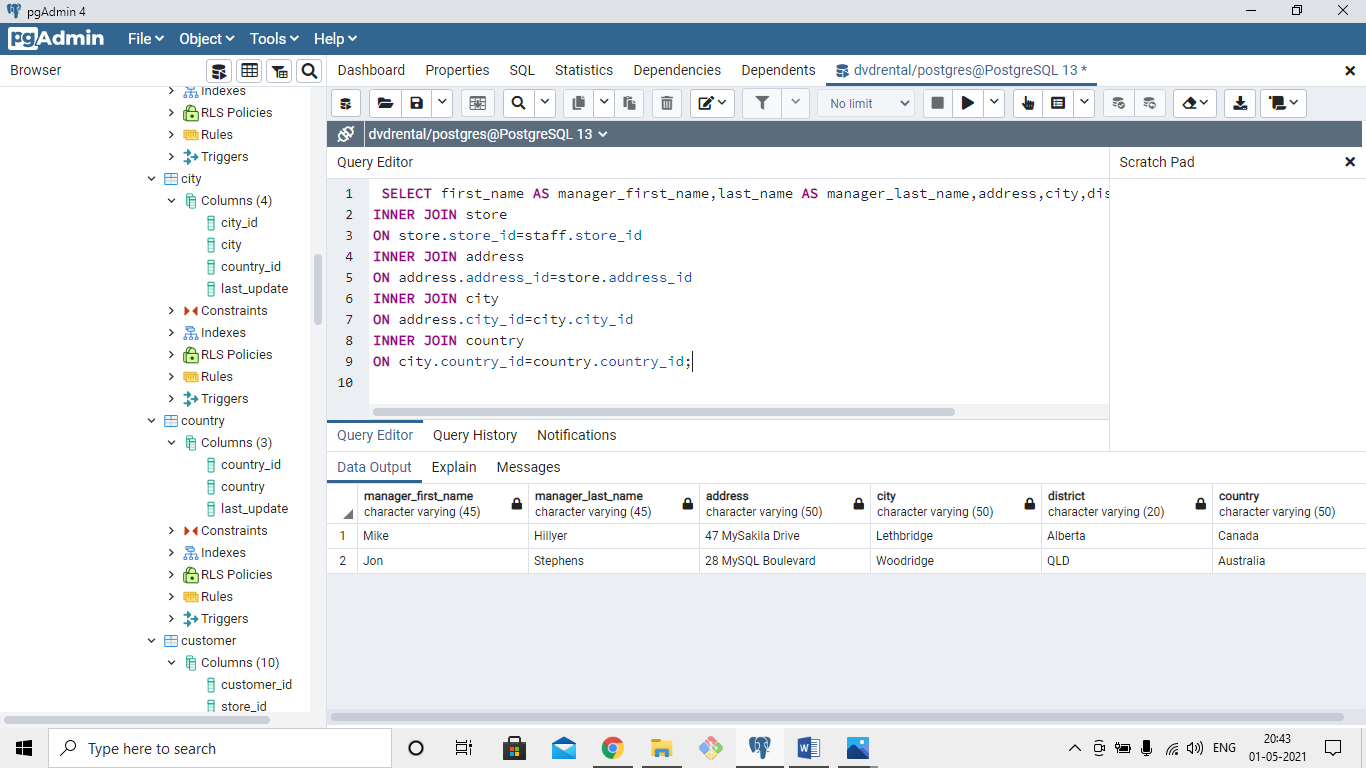
ON address.address\_id=staff.address\_id

INNER JOIN city

ON address.city\_id=city.city\_id

INNER JOIN country

ON city.country\_id=country.country\_id;

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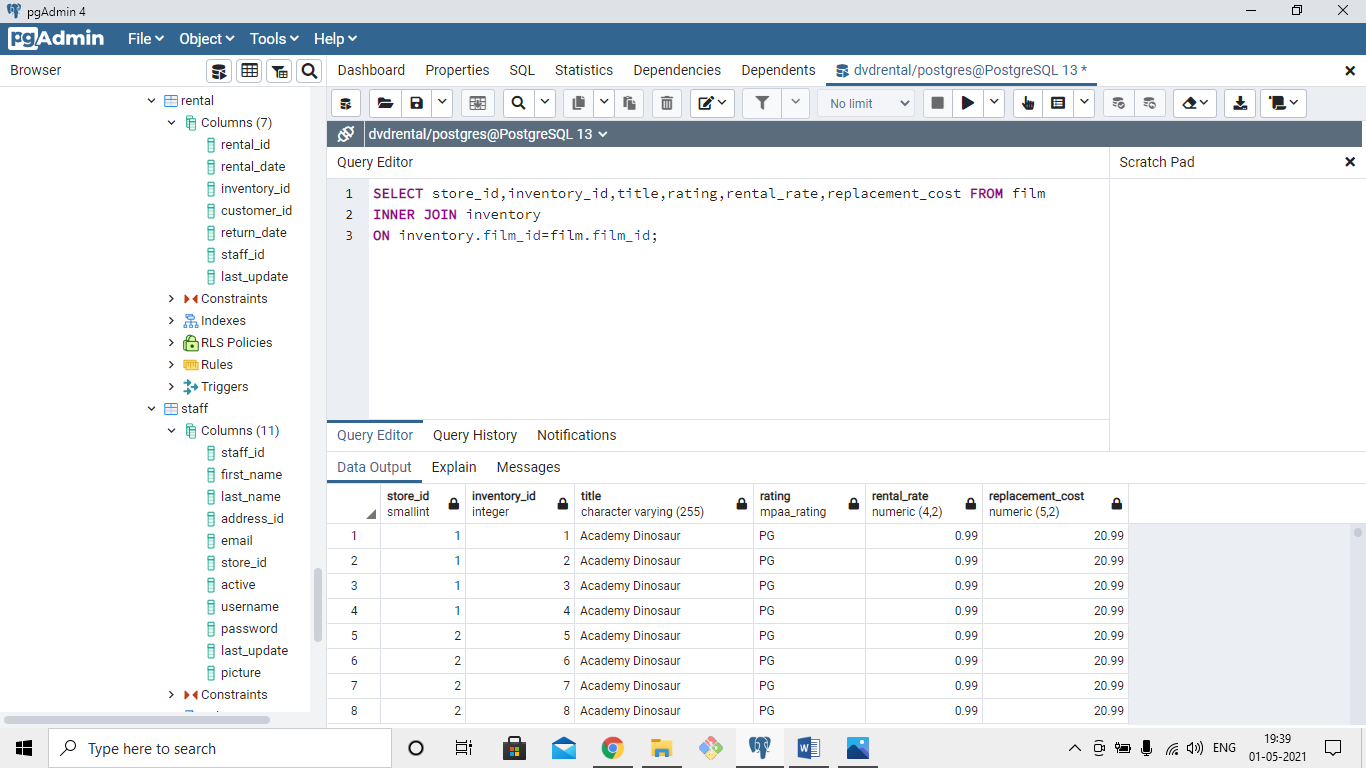
2) I would like to get a better understanding of all of the inventory that would come along with the business. Please pull together a list of each inventory item you have stocked, including the store\_id number, the inventory\_id , the name of the film, the film’s rating, its rental rate and replacement cost.

QUERY:

SELECT store\_id,inventory\_id,title,rating,rental\_rate,replacement\_cost FROM film

INNER JOIN inventory

ON inventory.film\_id=film.film\_id;



3) From the same list of films you just pulled, please roll that data up and provide a summary level overview of your inventory. We would like to know how many inventory items you have with each rating at each store.

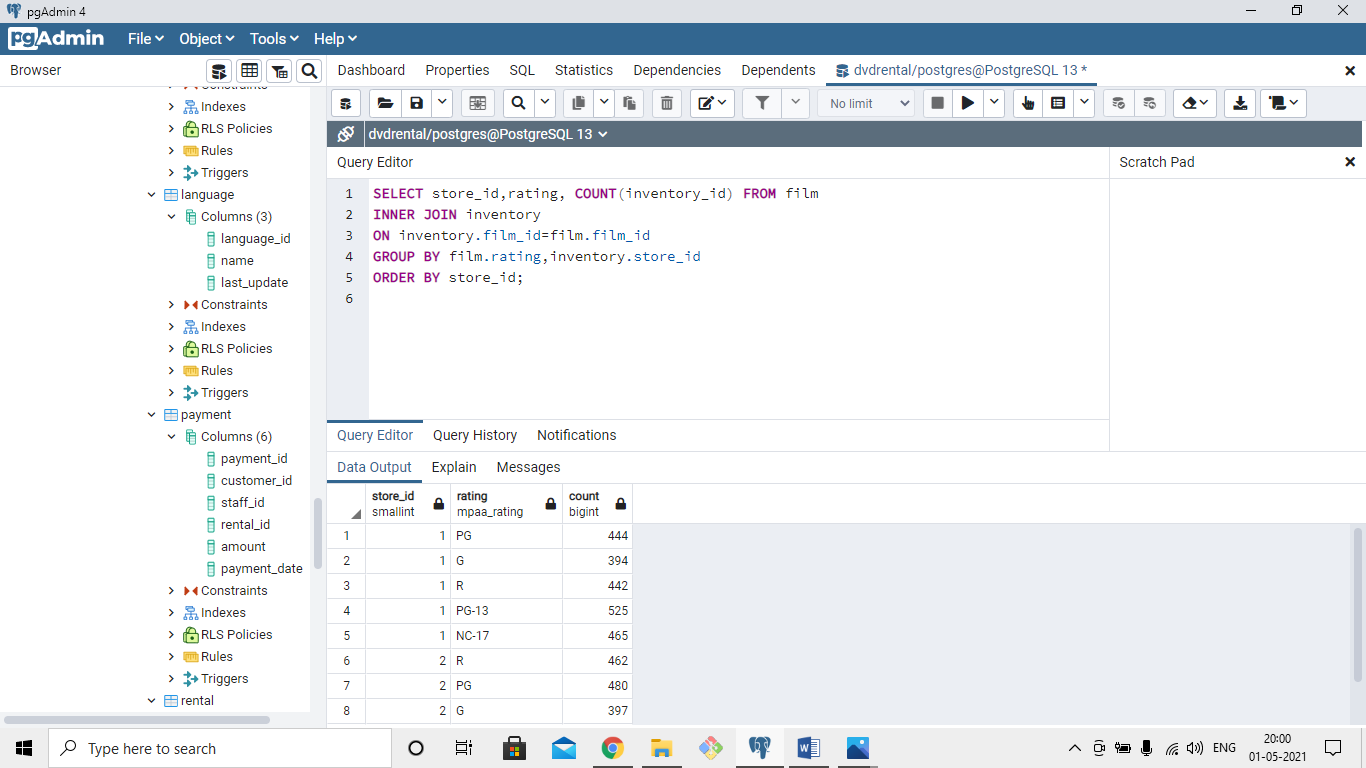
QUERY:

SELECT store\_id,rating, COUNT(inventory\_id) FROM film

INNER JOIN inventory

ON inventory.film\_id=film.film\_id

GROUP BY film.rating,inventory.store\_id

ORDER BY store\_id;

4) Similarly, we want to understand how diversified the inventory is in terms of replacement cost. We want to see how big of a hit it would be if a certain category of film became unpopular at a certain store. We would like to see the number of films, as well as the average replacement cost, and total replacement cost, sliced by store and film category.

QUERY:

SELECT \* FROM category;

SELECT store\_id,name AS category,COUNT(film) AS films ,AVG(replacement\_cost),SUM(replacement\_cost) FROM film

INNER JOIN film\_category

ON film.film\_id=film\_category.film\_id

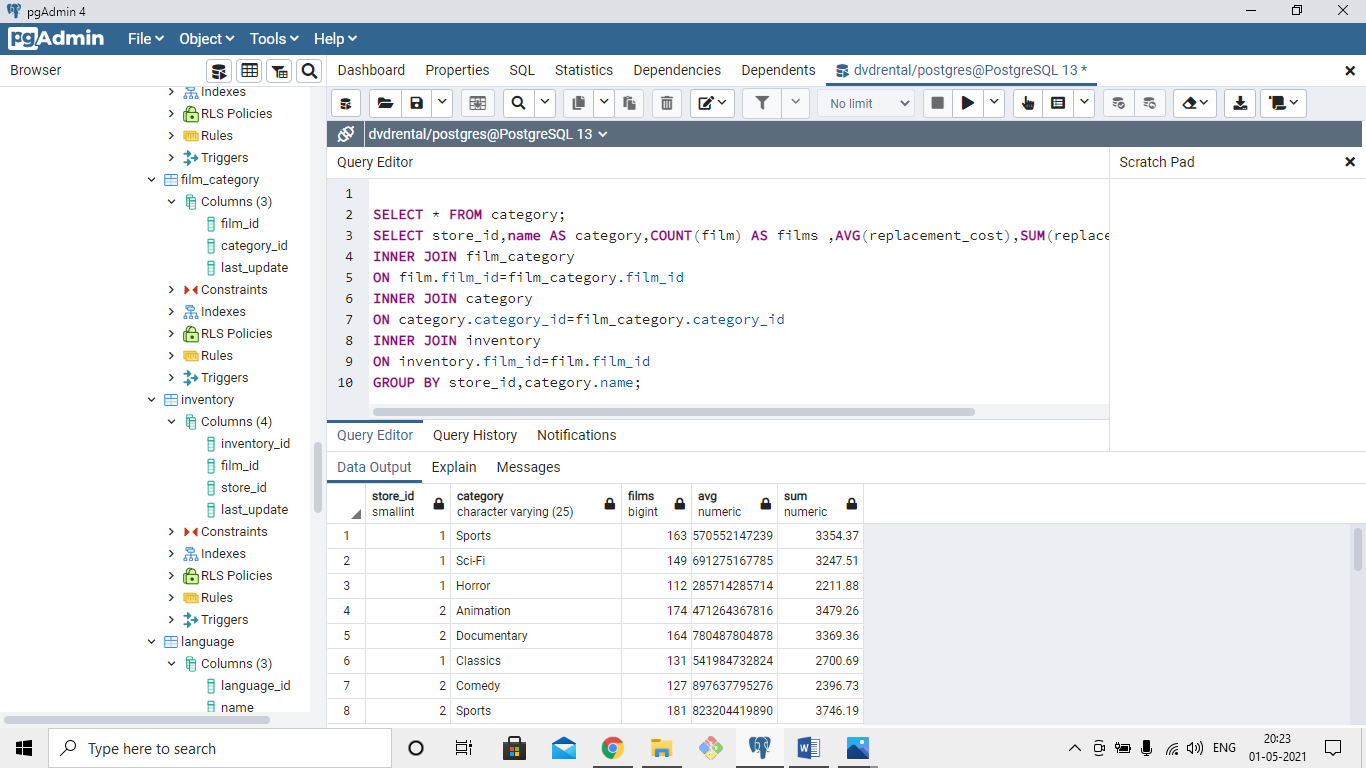
INNER JOIN category

ON category.category\_id=film\_category.category\_id

INNER JOIN inventory

ON inventory.film\_id=film.film\_id

GROUP BY store\_id,category.name;



5) We want to make sure you folks have a good handle on who your customers are. Please provide a list of all customer names, which store they go to, whether or not they are currently active, and their full addresses street address, city, and country.

QUERY: SELECT first\_name,last\_name,store\_id,active,address,city,country FROM customer

INNER JOIN address

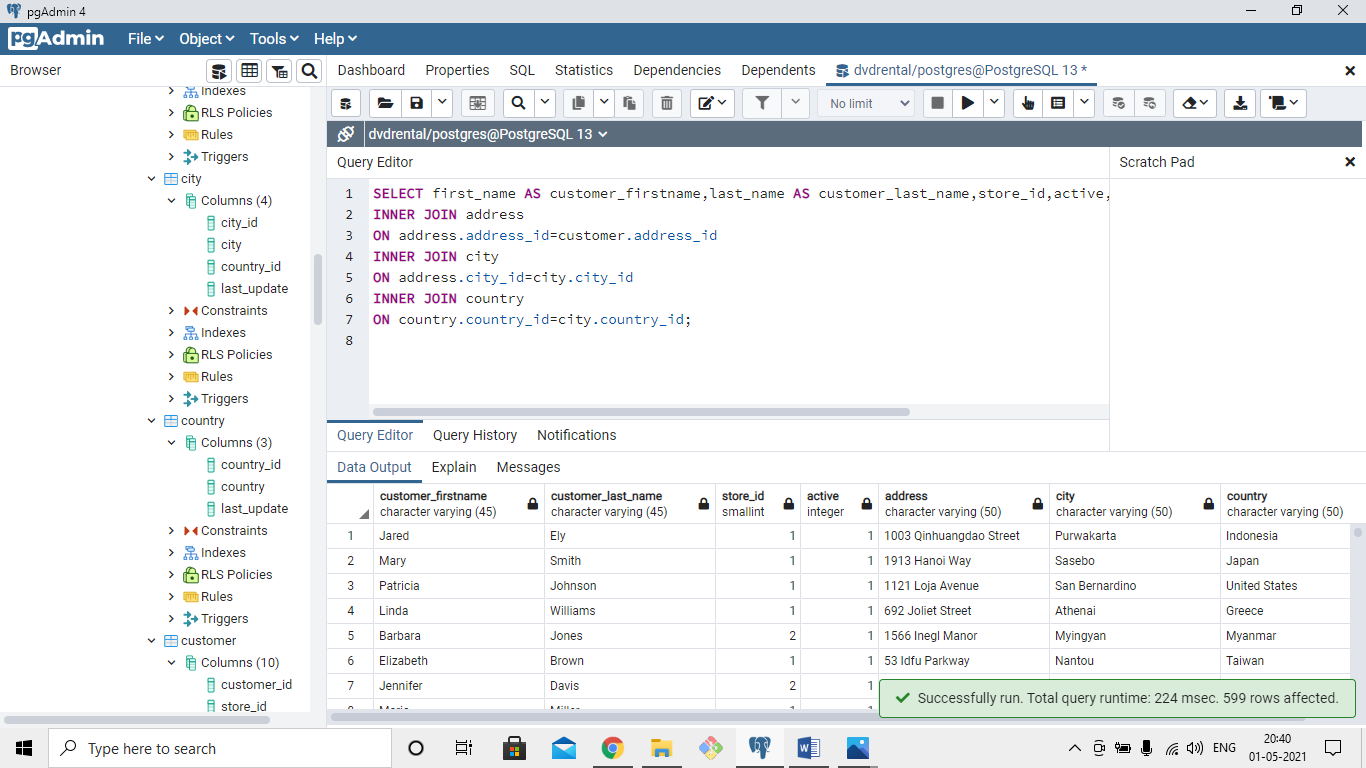
ON address.address\_id=customer.address\_id

INNER JOIN city

ON address.city\_id=city.city\_id

INNER JOIN country

ON country.country\_id=city.country\_id;



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6) We would like to understand how much your customers are spending with you, and also to know who your most valuable customers are. Please pull together a list of customer names, their total lifetime rentals, and the sum of all payments you have collected from them. It would be great to see this ordered on total lifetime value, with the most valuable customers at the top of the list.

QUERY:

