TOPIC 15,16,17 Hands-On SQL **Kevin Avicenna Widiarto**

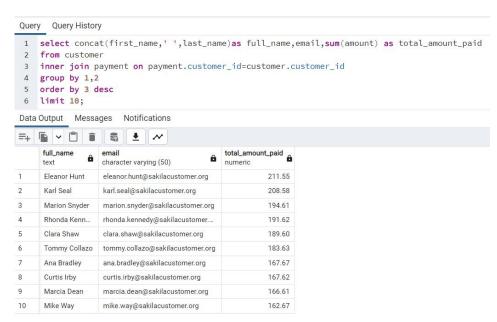
1. Identify the top 10 customers and their email so we can reward them

select concat(first name, '', last name) as full name, email, sum (amount) as total amount paid from customer

inner join payment on payment.customer id=customer.customer id group by 1,2

order by 3 desc

limit 10;



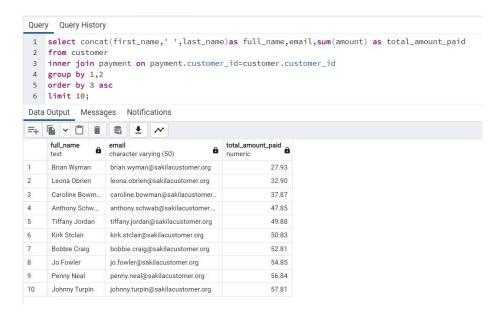
2. Identify the bottom 10 customers and their emails

select concat(first name, '', last name) as full name, email, sum (amount) as total amount paid from customer

inner join payment on payment.customer id=customer.customer id group by 1,2

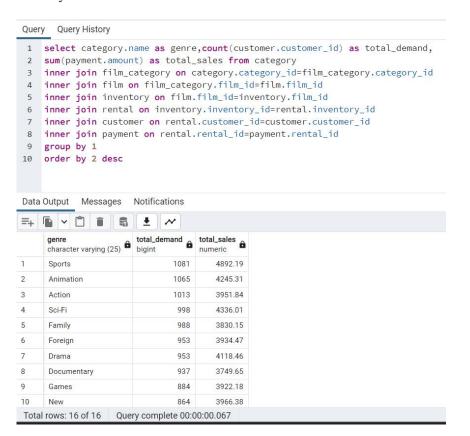
order by 3 asc

limit 10;



3. What are the most profitable movie genres (ratings)?

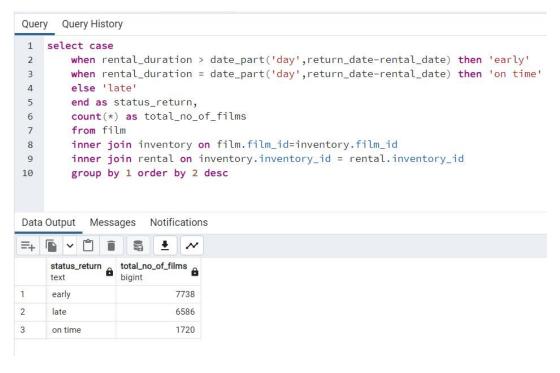
select category.name as genre,count(customer.customer_id) as total_demand, sum(payment.amount) as total_sales from category inner join film_category on category.category_id=film_category.category_id inner join film on film_category.film_id=film.film_id inner join inventory on film.film_id=inventory.film_id inner join rental on inventory.inventory_id=rental.inventory_id inner join customer on rental.customer_id=customer.customer_id inner join payment on rental.rental_id=payment.rental_id group by 1 order by 2 desc



4. How many rented movies were returned late, early, and on time?

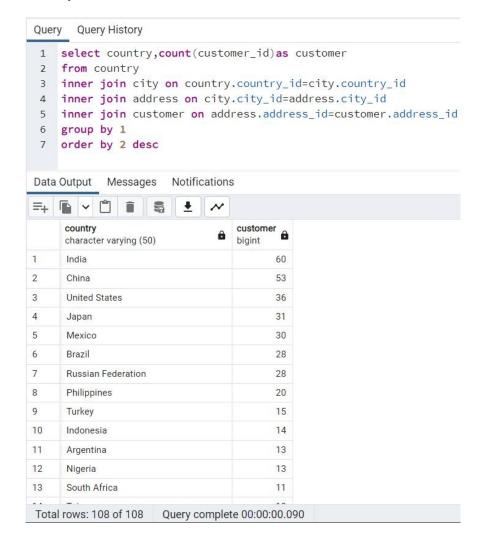
select case

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when rental_duration > date_part('day',return_date-rental_date) then 'early' when rental_duration = date_part('day',return_date-rental_date) then 'on time' else 'late' end as status_return, count(*) as total_no_of_films from film inner join inventory on film.film_id=inventory.film_id inner join rental on inventory.inventory_id = rental.inventory_id group by 1 order by 2 desc
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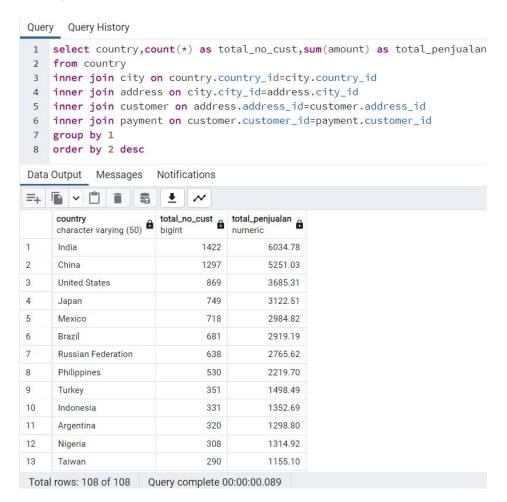
5. What is the customer base in the countries where we have a presence?

select country,count(customer_id)as customer from country inner join city on country.country_id=city.country_id inner join address on city.city_id=address.city_id inner join customer on address.address_id=customer.address_id group by 1 order by 2 desc



6. Which country is the most profitable for the business?

select country,count(*) as total_no_cust,sum(amount) as total_penjualan from country inner join city on country.country_id=city.country_id inner join address on city.city_id=address.city_id inner join customer on address.address_id=customer.address_id inner join payment on customer.customer_id=payment.customer_id group by 1 order by 2 desc



7. What is the average rental rate per movie genre (rating)?

