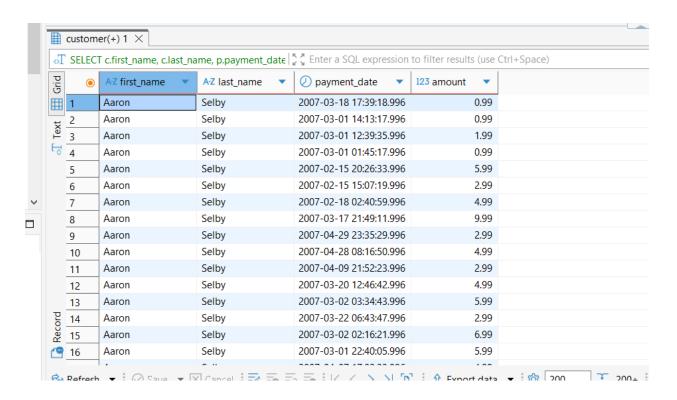
SQL Joining Tables

Izoh: customer va payment jadvalarini qoshib qaysi mijoz qancha tolov qilganini chiqaradigan query

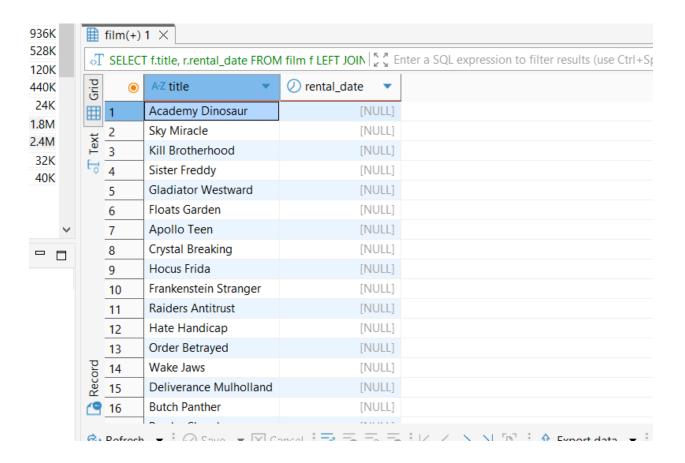


```
2.SELECT f.title,
r.rental_date

FROM film f LEFT JOIN inventory i ON f.film_id = i.film_id LEFT JOIN rental r ON i.inventory_id = r.inventory_id

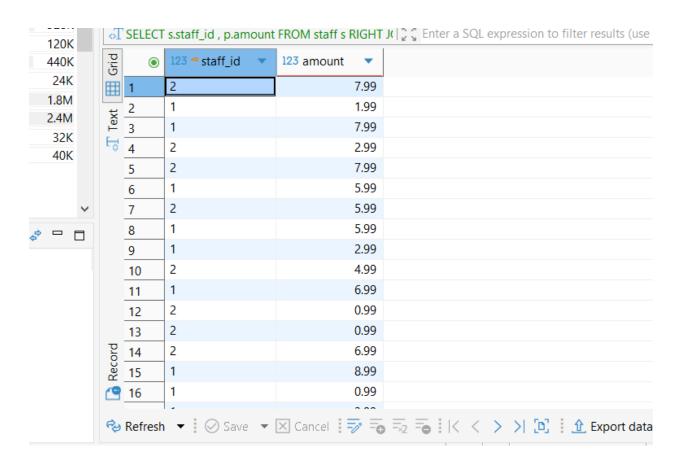
WHERE r.rental_id IS NULL
```

Izoh: film → inventory → rental tartibi boyicha guruhlab chiqib keyin ularda hech qachon ijaraga berilmagan filmlarni chiqaradigan query



 $\begin{aligned} \textbf{3.SELECT} \ \textit{s.staff_id} \ , \\ \textit{p.amount} \\ \textbf{FROM} \ \textit{staff} \ \textit{s} \ \textbf{RIGHT JOIN} \ \textit{payment} \ \textit{p} \ \textbf{ON} \ \textit{s.staff_id} = \textit{p.staff_id} \end{aligned}$

Izoh: bu sorovda har bir tolovni qaysi hodim qabul qilganini chiqaradi

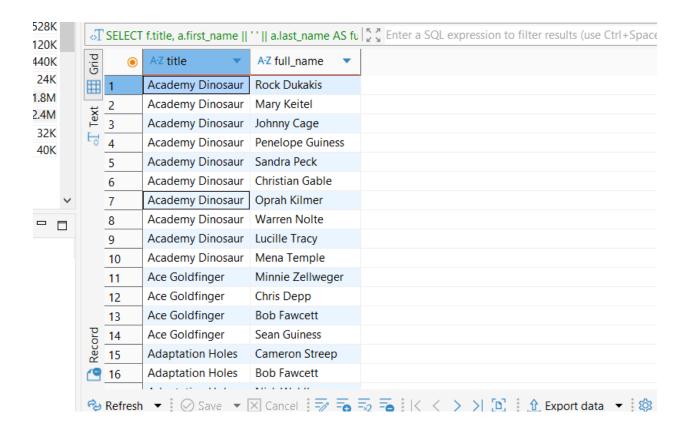


```
4.SELECT f.title,
a.first_name || ' ' || a.last_name AS full_name

FROM film f RIGHT JOIN film_actor f2 ON f.film_id = f2.film_id RIGHT JOIN actor a ON f2.actor_id = a.actor_id

ORDER BY f.title
```

Izoh: har filmda qaysi actor chiqqani korsatadigan sorov



```
5.SELECT c.customer_id,
count(c.customer_id) AS soni

FROM customer c JOIN rental r ON c.customer_id = r.customer_id

GROUP BY c.customer_id

ORDER BY soni DESC

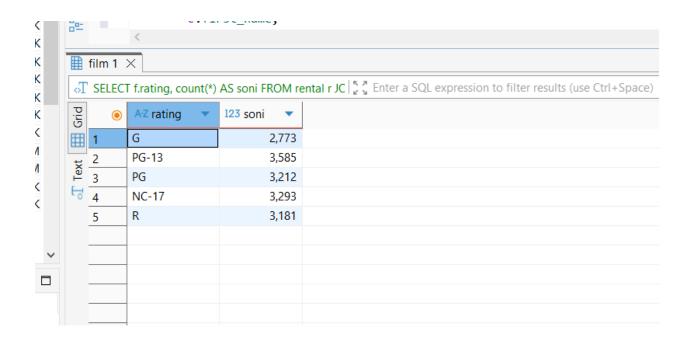
LIMIT 10
```

Izoh: har bir mijoz necha marta film olganini chiqaradigan query bunda eng kop film ijaraga olgan top 10 ni chiarib beradi

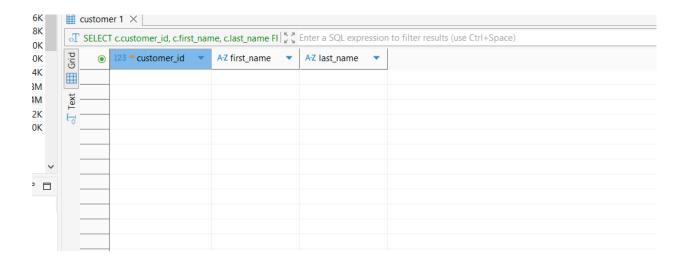
tustomer 1 ×				
SELECT c.customer_id, count(c.customer_id) AS so ™ ™ Enter a SQL expression to filter results (use				
Grid	•	123 ∞ customer_id ▼	123 soni ▼	
\blacksquare	1	148	46	
	3	526	45	
	3	144	42	
	4	236	42	
	5	75	41	
	6	469	40	
	7	197	40	
	8	468	39	
	9	137	39	
	10	178	39	
scord				

```
6.SELECT f.rating,
count(*) AS soni
FROM rental r JOIN inventory i ON r.inventory_id = i.inventory_id JOIN film f ON i.film_id = f.film_id
GROUP BY f.rating
```

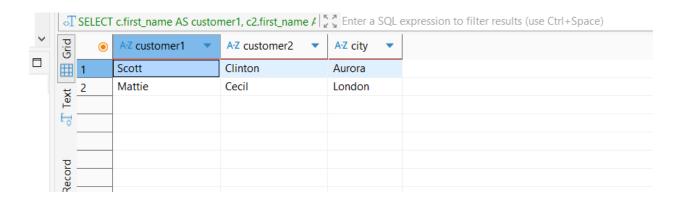
lzoh: bu yerda rental \to inventory \to film boyicha join qilinib keyin rating boyicha guruhlanayapti



Izoh: bu yerda tolov qilmagan mijozlaar uchun query edi lekin bizning jadvalda hamma tolov qilgani uchun hech nima chiqmaydi



Izoh: bu yerda customer jadvalida city_id yoqligi uchuni uni customer→address→city boyicha join qilib keyin bitta shahrda yashaydigan mijozlarni topildi

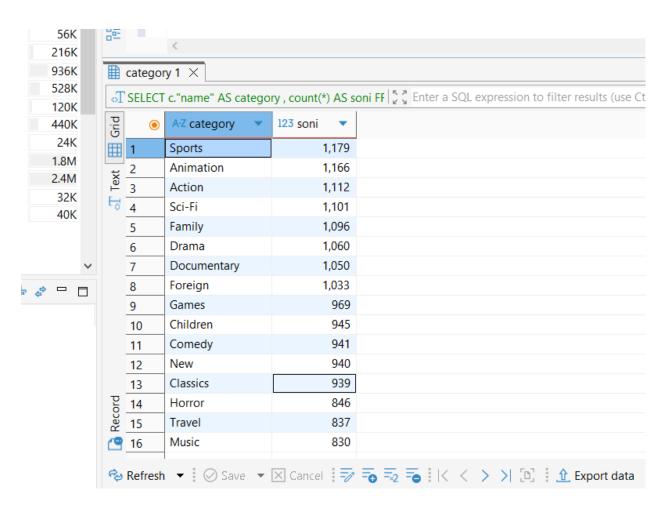


```
9.SELECT c."name" AS category,
count(*) AS soni

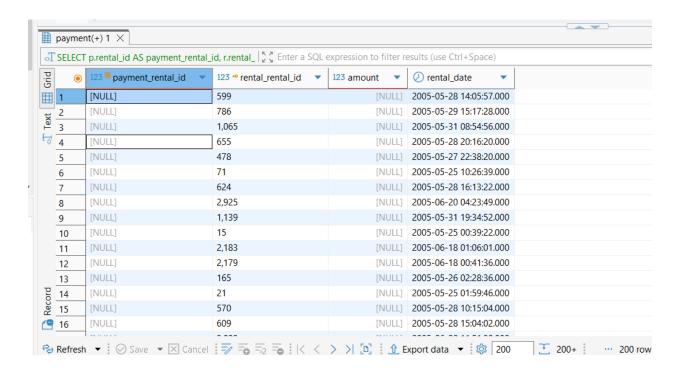
FROM category c JOIN film_category f ON c.category_id = f.category_id
JOIN inventory i ON f.film_id = i.film_id
JOIN rental r ON i.inventory_id = r.inventory_id

GROUP BY category
ORDER BY soni DESC
```

Izoh: korsatilgan tartibda join qilinib keyin filmlarni categoriyasi boyicha nomlanadigan sorov



Izoh: bunda tolov qilgan lekin ijara olmaganlarni chiqaradigan sorov



```
11.
SELECT
               c2."name" AS category,
               CASE
                      WHEN LEFT(c.first name, 1) BETWEEN 'A' AND 'M' THEN 'Male'
                      ELSE 'Female'
               END AS gender,
               count(*) AS soni
                                      ON c.customer_id = r.customer_id
FROM customer c JOIN rental r
                                      ON r.inventory id = i.inventory id
                 JOIN inventory i
                 JOIN film f
                                      ON i.film_id = f.film_id
                 JOIN film category f2 ON f.film id = f2.film id
                 JOIN category c2
                                      ON f2.category id = c2.category id
GROUP BY category, gender
ORDER BY category
```

Izoh: film categoriyasi boyicha erkak va ayollar qanchadan sotib olganini chiqaradigan sorov bizda gender ustuni yoqligi uchun berilgan shart boyicha caseda guruhlarga ajratib oldik

