AS_DS27_Day 13_Miranda Khairunnisa

Question 1

Pada skema dvdrental, dapatkan nama lengkap customers dan waktu pengembalian untuk semua transaksi yang melebihi batas waktu pengembalian (7 hari).

In the dvdrental scheme, get customer full names and return times for all transactions that exceed the return time limit (7 days).

select concat(*c*.first_name,'',*c*.last_name) **as** *customer_name*,

date_part('day', r.return_date - r.rental_date) as return_time_in_days

from customer *c*

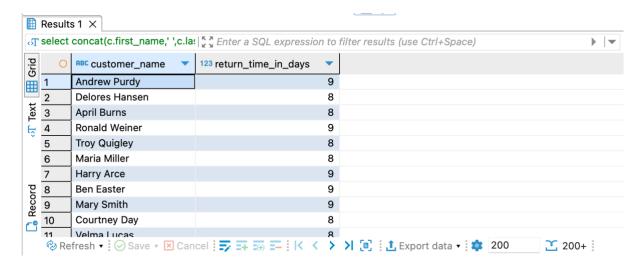
join rental r

on *c*.customer_id = *r*.customer_id

where date_part('day', r.return_date - r.rental_date) > 7;

Extra note: datediff tidak berlaku di PostgreSQL.

Ref: https://www.sqlines.com/postgresql/how-to/datediff



Question 2

Pada skema dvdrental, tampilkan nama pelanggan yang melakukan transaksi peminjaman lebih dari sekali pada hari Senin! Gunakan CTE!

In the dvdrental scheme, display the names of customers who made rental transactions more than once on Monday! Use CTEs!

```
-- CTE yang digunakan beberapa hal berikut:
-- menggabungkan nama customer
-- extract day of the week (Monday hari ke 1)
-- membuat case kalau rental Monday itu jadi 1, kalau di hari lain jadi 0
-- menjumlahkan dengan sum dan group by berapa kali rental di hari
Monday
with rental info as (
     select concat(<u>c</u>.first_name,' ',<u>c</u>.last_name) as customer_name,
           sum(case when (extract(dow from r.rental_date) = 1) then 1
                 else 0
                 end) as monday_rentals
     from rental r
     join customer c
     on r.customer_id = c.customer_id
     group by concat(c.first_name,' ',c.last_name)
select customer name
from rental info
where monday_rentals > 1;
```

Extracting Day of Week from PostgreSQL:

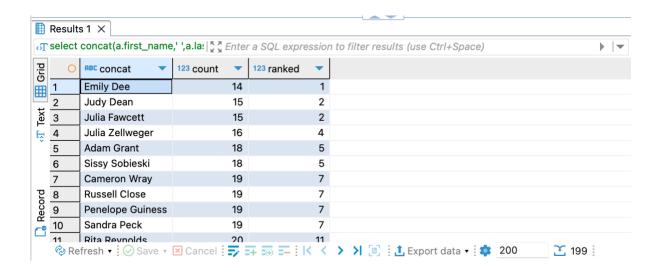
Ref: https://www.geeksforgeeks.org/how-to-extract-day-of-week-from-date-field-in-postgresql/

Results 1 X \circ_{Γ} with rental_info as (select $c \mid_{\kappa}^{\kappa, \pi}$ Enter a SQL expression to filter results (use Ctrl+Space) Text Grid 3 4 1 RBC customer_name Derek Blakely Michele Grant Lee Hawks Leo Ebert 5 Carmen Owens Pedro Chestnut Pauline Henry Record 10 11 **Edgar Rhoads** Jay Robb Peggy Myers Ronald Weiner Refresh ▼ Save ▼ X Cancel F = K < > N [a] L Export data ▼ 200

Question 3

Pada skema dvdrental, temukan nama aktor dan jumlah film yang dia mainkan, serta peringkat actor berdasarkan jumlah film. Urutkan berdasarkan peringkat secara ascending. Gunakan RANK!

In the dvdrental scheme, find the actor's name and the number of films he appeared in, as well as the actor's ranking by number of films. Sort by rank in ascending order. Use RANK!



Question 4

Pada skema DS Salaries, tampilkan (semua kolom) dengan job_title yang memiliki salary_in_usd lebih besar dari rata-rata salary dari seluruh job_title. Namun, tampilkan hanya company_size = S.

In the DS Salaries scheme, display (all columns) with job_titles that have a salary_in_usd greater than the average salary of all job_titles. However, show only company_size = S.

select *

from ds_salaries d

where d.salary_in_usd > (select avg(d.salary_in_usd) from ds_salaries d)
 and d.company_size = 'S';

