

-- 1. Dapatkan nama lengkap customers dan waktu pengembalian untuk semua transaksi yang melebihi batas waktu pengembalian (7 hari)

SELECT

c.first_name,
c.last_name,
r.return_date

FROM

customer c

JOIN rental r **ON** c.customer_id = r.customer_id

WHERE

r.return_date - r.rental_date > INTERVAL '7 day';

-- 2. Tampilkan nama pelanggan yang melakukan transaksi peminjaman lebih dari sekali pada hari Senin! Gunakan CTE!

WITH *transaksi_senin* **AS** (

SELECT

c.customer_id,
c.first_name,
c.last_name,

EXTRACT(DOW FROM r.rental_date) **AS** hari

FROM

customer c

JOIN rental r **ON** c.customer_id = r.customer_id

WHERE

EXTRACT(DOW FROM r.rental_date) = 1 -- 1 = Senin

)

SELECT

first_name,
last_name

FROM

transaksi_senin

GROUP BY

first_name,

last_name

HAVING

COUNT(customer_id) > 1;

-- 3. Temukan nama aktor dan jumlah film yang dimainkan, serta peringkat aktor berdasarkan jumlah film. Urutkan berdasarkan peringkat secara ascending. Gunakan RANK!

SELECT

a.first_name,

a.last_name,

COUNT(f.film_id) **AS** jumlah_film,

RANK() **OVER** (**ORDER BY COUNT**(f.film_id) **DESC**) **AS** peringkat

FROM

actor a

JOIN film_actor fa **ON** a.actor_id = fa.actor_id

JOIN film f **ON** fa.film_id = f.film_id

GROUP BY

a.first_name,

a.last_name

ORDER BY

peringkat **ASC**;

-- 4. Tampilkan job_title yang memiliki salary_in_usd lebih besar dari rata-rata salary dari seluruh job_title. Namun, tampilkan hanya company_size = S. Gunakan Subquery!

SELECT

job_title

FROM

ds_salaries

WHERE

company_size = 'S'

AND salary_in_usd > (SELECT AVG(salary_in_usd) FROM ds_salaries);

SCREENSHOOT:

1. Dapatkan nama lengkap customers dan waktu pengembalian untuk semua transaksi yang melebihi batas waktu pengembalian (7 hari)

	A-Z first_name	A-Z last_name	return_date
1	Manuel	Murrell	2005-06-01 22:12:39.000
2	Andrew	Purdy	2005-06-03 01:43:41.000
3	Delores	Hansen	2005-06-02 04:33:21.000
4	April	Burns	2005-06-02 20:56:02.000
5	Ronald	Weiner	2005-06-03 03:30:22.000
6	Yvonne	Watkins	2005-06-02 00:28:29.000
7	Troy	Quigley	2005-06-02 09:56:39.000
8	Maria	Miller	2005-06-02 08:18:08.000
9	Jenny	Castro	2005-06-02 05:42:46.000
10	Manuel	Murrell	2005-06-01 09:52:42.000
11	Jo	Fowler	2005-06-02 07:22:57.000
12	Harry	Arce	2005-06-03 11:31:29.000
13	Clarence	Gamez	2005-06-01 13:56:07.000
14	Ben	Easter	2005-06-03 12:58:34.000
15	Mary	Smith	2005-06-03 12:00:37.000
16	Courtney	Day	2005-06-03 10:54:07.000
17	Velma	Lucas	2005-06-02 14:08:19.000
...
4479	Leo	Ebert	2005-09-02 02:35:22.000
4480	Ellen	Simpson	2005-08-30 23:37:43.000
4481	Loretta	Carpenter	2005-08-31 22:09:51.000
4482	Alan	Kahn	2005-08-31 17:51:33.000
4483	Marilyn	Ross	2005-08-30 23:52:39.000
4484	Neil	Renner	2005-08-31 17:28:31.000
4485	Paul	Trout	2005-09-01 18:17:33.000
4486	George	Linton	2005-08-31 01:52:59.000
4487	Rhonda	Kennedy	2005-08-31 01:24:04.000
4488	Clifford	Bowens	2005-08-31 22:46:57.000
4489	Maureen	Little	2005-09-01 02:36:15.000
4490	Janet	Phillips	2005-09-01 02:48:04.000
4491	Lori	Wood	2005-08-31 19:55:51.000
4492	Vanessa	Sims	2005-09-02 02:19:33.000
4493	Karl	Seal	2005-08-31 03:09:03.000
4494	Gladys	Hamilton	2005-08-31 21:33:07.000
...

- Tampilkan nama pelanggan yang melakukan transaksi peminjaman lebih dari sekali pada hari Senin! Gunakan CTE!

	A-Z first_name	A-Z last_name
1	Aaron	Selby
2	Adam	Gooch
3	Adrian	Clary
4	Agnes	Bishop
5	Alan	Kahn
6	Albert	Crouse
7	Alberto	Henning
8	Alex	Gresham
9	Alexander	Fennell
10	Alfred	Casillas
11	Alfredo	McAdams
12	Alice	Stewart
13	Alicia	Mills
14	Allan	Cornish
15	Allen	Butterfield
16	Allison	Stanley
17	Alma	Austin
18	Alvin	DeLoach

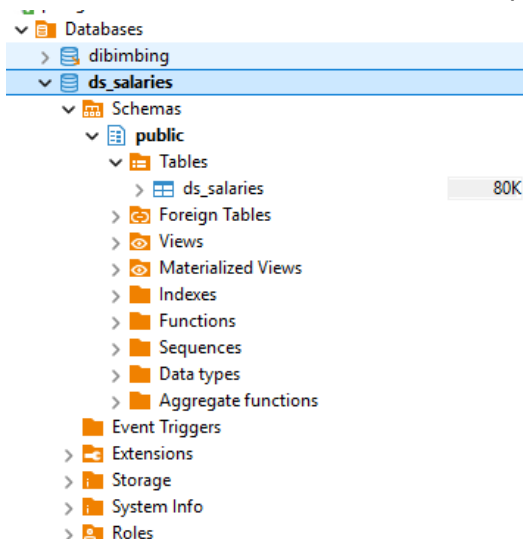
	A-Z first_name	A-Z last_name
385	Oscar	Aquino
386	Pamela	Baker
387	Patricia	Johnson
388	Patrick	Newsom
389	Patsy	Davidson
390	Paul	Trout
391	Paula	Bryant
392	Pauline	Henry
393	Pearl	Garza
394	Pedro	Chestnut
395	Peggy	Myers
396	Penny	Neal
397	Perry	Swafford
398	Peter	Menard
399	Philip	Causey
400	Phillip	Holm
401	Phyllis	Foster
402	Priscilla	Lowe

- Temukan nama aktor dan jumlah film yang dimainkan, serta peringkat aktor berdasarkan jumlah film. Urutkan berdasarkan peringkat secara ascending. Gunakan RANK!

	A-Z first_name	A-Z last_name	123 jumlah_film	123 peringkat
1	Susan	Davis	54	1
2	Gina	Degeneres	42	2
3	Walter	Torn	41	3
4	Mary	Keitel	40	4
5	Matthew	Carrey	39	5
6	Sandra	Kilmer	37	6
7	Scarlett	Damon	36	7
8	Vivien	Basinger	35	8
9	Groucho	Dunst	35	8
10	Val	Bolger	35	8
11	Henry	Berry	35	8
12	Angela	Witherspoon	35	8
13	Uma	Wood	35	8
14	Angela	Hudson	34	14
15	Jayne	Nolte	34	14
16	Sidney	Crowe	34	14
17	Warren	Nolte	34	14
18	Kirsten	Akroyd	34	14

Grid		A-Z first_name	A-Z last_name	123 jumlah_film	123 peringkat
184		Kenneth	Pesci	20	181
185		Fay	Kilmer	20	181
186		Thora	Temple	20	181
187		Matthew	Johansson	20	181
188		Minnie	Kilmer	20	181
189		Chris	Depp	20	181
190		Cameron	Wray	19	190
191		Penelope	Guinness	19	190
192		Russell	Close	19	190
193		Sandra	Peck	19	190
194		Sissy	Sobieski	18	194
195		Adam	Grant	18	194
196		Julia	Zellweger	16	196
197		Judy	Dean	15	197
198		Julia	Fawcett	15	197
199		Emily	Dee	14	199

4. Screenshoot database berhasil di import



Soal nomer 4 : Tampilkan job_title yang memiliki salary_in_usd lebih besar dari rata-rata salary dari seluruh job_title. Namun, tampilkan hanya company_size = S. Gunakan Subquery!

Grid		A-Z job_title
1		Machine Learning Scientist
2		Lead Data Scientist
3		Lead Data Engineer
4		Big Data Engineer
5		Machine Learning Engineer
6		Data Engineer
7		Machine Learning Scientist
8		Cloud Data Engineer
9		Director of Data Science
10		Machine Learning Engineer
11		Principal Data Scientist
12		ML Engineer
13		Lead Data Engineer
14		Lead Data Engineer
15		Machine Learning Engineer
16		Machine Learning Engineer
17		Computer Vision Software Engineer