# Nama: Arianty Siahaan

## **DS 30**

#### Pada skema dvdrental

1. Dapatkan **nama lengkap (first name, dan last name)** customers dan waktu pengembalian untuk semua transaksi yang melebihi batas waktu pengembalian (7 hari)

## JAWAB:

•	A-Z full_name	⊘ return_date	⊘ rental_date	A-z day_hour_minute_difference
1	Brandon Huey	2005-07-18 07:29:05.000	2005-07-11 07:28:05.000	7 hari, 0 jam, 1 menit
2	Jorge Olivares	2005-08-04 12:08:53.000	2005-07-28 11:58:53.000	7 hari, 0 jam, 10 menit
3	Helen Harris	2005-08-30 17:22:31.000	2005-08-23 17:12:31.000	7 hari, 0 jam, 10 menit
4	Heidi Larson	2005-08-07 01:16:04.000	2005-07-31 01:05:04.000	7 hari, 0 jam, 11 menit
5	Ross Grey	2005-08-08 19:21:49.000	2005-08-01 19:10:49.000	7 hari, 0 jam, 11 menit
6	Gina Williamson	2005-06-26 04:31:04.000	2005-06-19 04:19:04.000	7 hari, 0 jam, 12 menit
7	Steven Curley	2005-06-26 20:32:33.000	2005-06-19 20:20:33.000	7 hari, 0 jam, 12 menit
8	Victoria Gibson	2005-07-13 19:59:26.000	2005-07-06 19:47:26.000	7 hari, 0 jam, 12 menit
9	Dawn Sullivan	2005-06-26 09:20:45.000	2005-06-19 09:08:45.000	7 hari, 0 jam, 12 menit
10	Lee Hawks	2005-08-05 01:36:23.000	2005-07-29 01:23:23.000	7 hari, 0 jam, 13 menit
11	Hazel Warren	2005-08-04 19:41:23.000	2005-07-28 19:28:23.000	7 hari, 0 jam, 13 menit
12	Jennie Terry	2005-08-05 01:55:55.000	2005-07-29 01:42:55.000	7 hari, 0 jam, 13 menit
13	Victoria Gibson	2005-08-08 22:23:35.000	2005-08-01 22:09:35.000	7 hari, 0 jam, 14 menit
14	Louis Leone	2005-08-25 14:21:06.000	2005-08-18 14:06:06.000	7 hari, 0 jam, 15 menit
15	Daisy Bates	2005-07-14 09:35:11.000	2005-07-07 09:20:11.000	7 hari, 0 jam, 15 menit
16	Corey Hauser	2005-06-23 15:53:07.000	2005-06-16 15:37:07.000	7 hari, 0 jam, 16 menit
17	Perry Swafford	2005-06-22 12:45:41.000	2005-06-15 12:29:41.000	7 hari, 0 jam, 16 menit
18	Maria Miller	2005-08-08 16:08:00.000	2005-08-01 15:52:00.000	7 hari, 0 jam, 16 menit

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

0	A-z full_name	123 transaction_count	•	o-o rental_dates	
> 1	Jared Ely		4	> 2005-08-22 16:33:39 [+3]	
> 2	Mary Smith		5	> 2005-08-22 01:27:57 [+4]	
> 3	Patricia Johnson		2	> 2005-08-01 09:45:26 [+1]	
> 4	Linda Williams		2	> 2005-08-22 09:37:27 [+1]	
> 5	Elizabeth Brown		5	> 2005-08-01 15:27:10 [+4]	
> 6	Jennifer Davis		4	> 2005-07-11 15:01:54 [+3]	
> 7	Maria Miller		9	> 2005-08-01 15:52:00 [+8]	
> 8	Susan Wilson		5	> 2005-07-11 21:39:46 [+4]	
> 9	Margaret Moore		6	> 2005-07-11 02:08:29 [+5]	
> 10	Dorothy Taylor		3	> 2005-08-01 17:09:59 [+2]	
> 11	Lisa Anderson		6	> 2005-06-20 23:49:12 [+5]	
> 12	Nancy Thomas		3	> 2005-05-30 23:08:03 [+2]	
> 13	Karen Jackson		4	> 2005-07-11 07:43:08 [+3]	
> 14	Betty White		4	> 2005-08-22 08:43:50 [+3]	
> 15	Helen Harris		5	> 2005-08-22 03:23:41 [+4]	
> 16	Sandra Martin		5	> 2005-07-11 06:40:31 [+4]	
> 17	Carol Garcia		4	> 2005-07-11 08:15:08 [+3]	
> 18	Sharon Robinson		7	> 2005-07-11 15:53:00 [+6]	

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

```
on
a.actor_id =fa.actor_id
group by
a.actor_id,a.first_name, a.last_name
order by
rank asc;
```

123 actor_id	•	A♂ actor_name ▼	125 film_count	•	12 <del>6</del> rank	<u> </u>
10	07	Gina Degeneres		42		1
10	02	Walter Torn		41		2
19	98	Mary Keitel		40		3
18	81	Matthew Carrey		39		4
2	23	Sandra Kilmer		37		5
3	81	Scarlett Damon		36		6
15	58	Vivien Basinger		35		7
6	60	Henry Berry		35		7
14	44	Angela Witherspoon		35		7
3	37	Val Bolger		35		7
10	06	Groucho Dunst		35		7
1	13	Uma Wood		35		7
15	50	Jayne Nolte		34		13
10	05	Sidney Crowe		34		13
6	65	Angela Hudson		34		13
9	92	Kirsten Akroyd		34		13
10	08	Warren Nolte		34		13
2	27	Julia Mcqueen		33		18
11	17	Renee Tracy		33		18

## Pada skema **DS Salaries**

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!** 

A-Z job_title	123 avg_salary 🔻	A-z company_size 🔻
Data Engineer	115,000	S
Principal Data Scientist	416,000	S
Lead Data Engineer	134,395.6666666667	S
Cloud Data Engineer	160,000	S
ML Engineer	256,000	S
Machine Learning Engineer	125,750	S
Computer Vision Software Engineer	150,000	S
Director of Data Science	168,000	S
Big Data Engineer	114,047	S
Lead Data Scientist	190,000	S
Machine Learning Scientist	190,000	S