

AS_DS27_Day12_Miranda Khairunnisa

Question 1

Buatlah database bernama 'dibimbing'. Buat table dengan nama table 'students' di schema 'public' berisi kolom 'id'(int), 'nama' (varchar), 'institute'(varchar), 'berat_badan' (float), 'tinggi_badan' (float). Isi table tersebut minimal 5 data dengan value yang berbeda-beda. Value dibebaskan isinya.

Create a database called 'dibimbing'. Create a table with the table name 'students' in the 'public' scheme containing the columns 'id' (int), 'name' (varchar), 'institute' (varchar), 'berat_badan' (float), 'tinggi_badan' (float). Fill in the table with at least 5 data with different values. Value is freed from its contents.

```
create table students (  
    id int primary key,  
    nama varchar,  
    institute varchar,  
    berat_badan float,  
    tinggi_badan float);
```

```
insert into students (id, nama, institute, berat_badan, tinggi_badan)  
values (1,'James Charles','NUS',68,170),  
       (2,'Olivia Rodrigo','UI',55,165),  
       (3,'Edward Culin','Oxford',70,180),  
       (4,'Taylor Charles','MIT',64,163),  
       (5,'Andrew White','Stanford',73,168);
```

Database Navigator x Projects

Enter a part of object name here

postgres - localhost:5432

- Databases
 - dvdrental
 - postgres
 - template1
 - template_postgis
 - dibimbing
 - Schemas
 - public
 - Tables
 - students 16K
 - Event Triggers
 - Extensions
 - Storage
 - System Info
 - Roles
 - Administer

Project - General x

Name DataSource

- Bookmarks
- Dashboards
- Diagrams
- Scripts

students 1 x

select * from students Enter a SQL expression to filter results (use Ctrl+Space)

	id	nama	institute	berat_badan	tinggi_badan	Value
1	1	James Charles	NUS	68	170	1
2	2	Olivia Rodrigo	UI	55	165	
3	3	Edward Culin	Oxford	70	180	
4	4	Taylor Charles	MIT	64	163	
5	5	Andrew White	Stanford	73	168	

Refresh Save Cancel Smart Insert 13 : 46 : 385 Sel: 0 | 0

Question 2

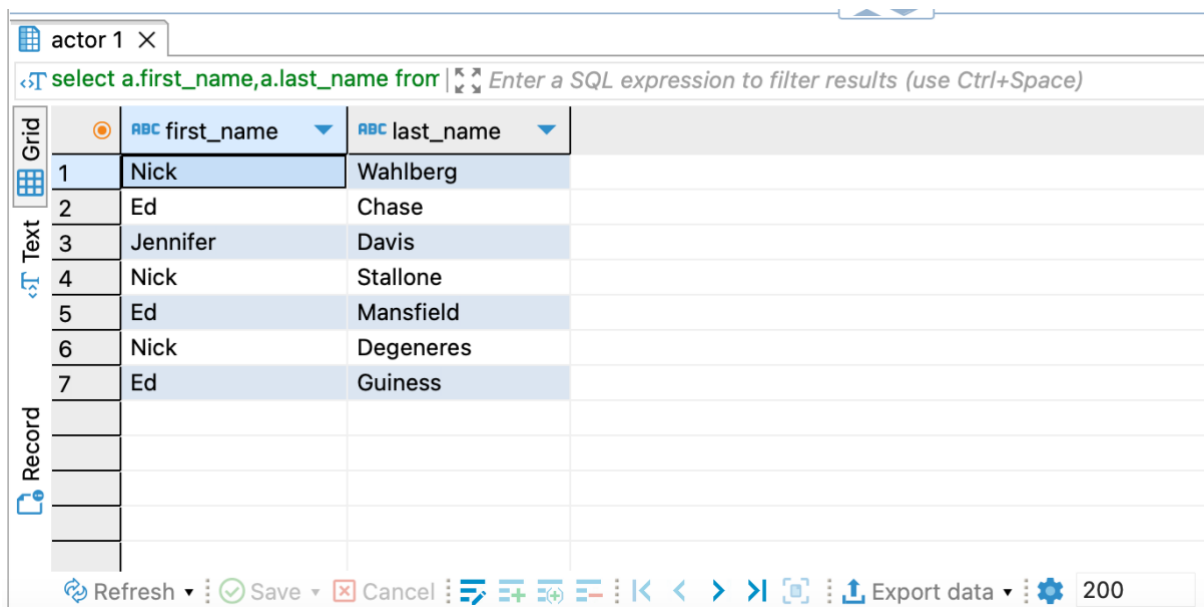
Pada skema dvdrental, tunjukkan first_name dan last_name actor yang memiliki first_name Jennifer, Nick, dan Ed.

In the dvdrental scheme, show the first_name and last_name actors whose first_names are Jennifer, Nick, and Ed.

```
select a.first_name,a.last_name
```

```
from actor a
```

```
where a.first_name in ('Jennifer','Nick','Ed');
```



	ABC first_name	ABC last_name
1	Nick	Wahlberg
2	Ed	Chase
3	Jennifer	Davis
4	Nick	Stallone
5	Ed	Mansfield
6	Nick	Degeneres
7	Ed	Guinness

Question 3

Pada skema dvdrental, hitung Total Amount untuk setiap payment_id yang Total Amount-nya lebih dari 5.99 (hint: menggunakan HAVING)

In the dvdrental scheme, calculate the Total Amount for each payment_id whose Total Amount is more than 5.99 (hint: use HAVING)

```
select p.payment_id, sum(p.amount) as total_amount
```

```
from payment p
```

```
group by p.payment_id
```

```
having sum(p.amount) > 5.99;
```

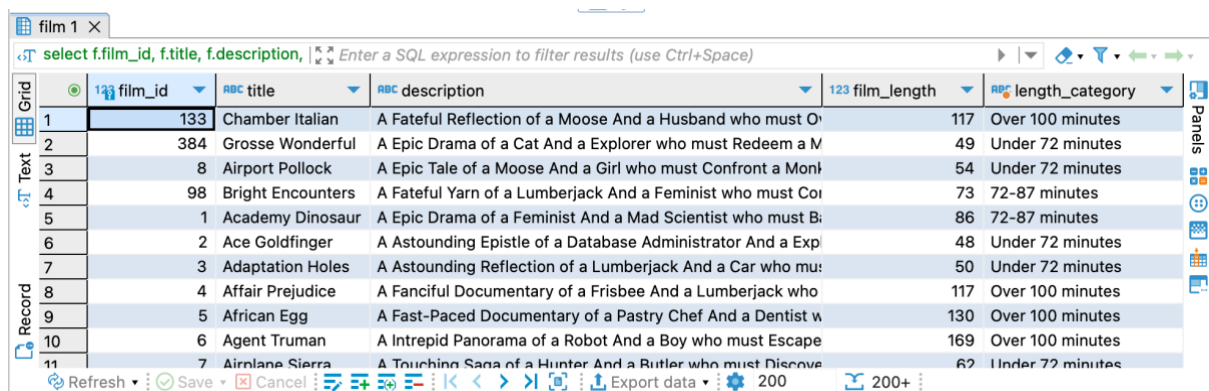
payment 1 X		select p.payment_id, sum(p.amount) Enter a SQL expression to filter results (use Ctrl+Space)	
Grid	123 payment_id	123 total_amount	
1	18,803	7.99	
2	31,789	6.99	
3	25,886	10.99	
4	28,031	9.99	
5	23,154	7.99	
6	18,474	7.99	
7	26,032	9.99	
8	25,574	7.99	
9	20,860	6.99	
10	31,761	7.99	
11	30,399	6.99	
12	31,204	6.99	
Refresh Save Cancel Filter Sort Export data 200			

Question 4

Pada skema dvdrental, tunjukkan film.id, film.title, film.description and film_length. Kelompokkan film_length ke dalam 4 categories(over 100, 87-100, 72-86 and under 72). Penamaan kelompok dibebaskan.

In the dvdrental scheme, show film.id, film.title, film.description and film_length. Group film_length into 4 categories(over 100, 87-100, 72-86 and under 72). Group naming is free.

```
select f.film_id, f.title, f.description, f.length as film_length,  
  
case when length > 100 then 'Over 100 minutes'  
  
when length <= 100 and length >= 87 then '87-100 minutes'  
  
when length <= 87 and length >= 72 then '72-87 minutes'  
  
when length < 72 then 'Under 72 minutes'  
  
end length_category  
  
from film f;
```



	film_id	title	description	film_length	length_category
1	133	Chamber Italian	A Fateful Reflection of a Moose And a Husband who must O	117	Over 100 minutes
2	384	Grosse Wonderful	A Epic Drama of a Cat And a Explorer who must Redeem a M	49	Under 72 minutes
3	8	Airport Pollock	A Epic Tale of a Moose And a Girl who must Confront a Mon	54	Under 72 minutes
4	98	Bright Encounters	A Fateful Yarn of a Lumberjack And a Feminist who must Coi	73	72-87 minutes
5	1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who must Bi	86	72-87 minutes
6	2	Ace Goldfinger	A Astounding Epistle of a Database Administrator And a Exp	48	Under 72 minutes
7	3	Adaptation Holes	A Astounding Reflection of a Lumberjack And a Car who mu:	50	Under 72 minutes
8	4	Affair Prejudice	A Fanciful Documentary of a Frisbee And a Lumberjack who	117	Over 100 minutes
9	5	African Egg	A Fast-Paced Documentary of a Pastry Chef And a Dentist w	130	Over 100 minutes
10	6	Agent Truman	A Intrepid Panorama of a Robot And a Boy who must Escape	169	Over 100 minutes
11	7	Airplane Sierra	A Touching Saga of a Hunter And a Butler who must Discove	62	Under 72 minutes

Pada skema dvdrental, dari tabel rental dan payment, tunjukkan 10 baris rental_id, rental_date, payment_id, dan amount. Ordered by amount in ascending order.

In the dvdrental scheme, from the rental and payment table, show 10 rows rental_id, rental_date, payment_id, and amount. Ordered by amount in ascending order.

```
limit 10;
```

rental(+) 1 X

select r.rental_id, r.rental_date, p.pa | Enter a SQL expression to filter results (use Ctrl+Space)

	rental_id	rental_date	payment_id	amount
1	123	2005-05-25 20:26:42.000	32,026	0
2	158	2005-05-26 01:27:11.000	31,942	0
3	91	2005-05-25 14:57:22.000	31,918	0
4	100	2005-05-25 16:50:28.000	32,079	0
5	137	2005-05-25 22:25:18.000	31,996	0
6	140	2005-05-25 23:34:22.000	31,942	0
7	7	2005-05-24 23:11:53.000	31,920	0
8	88	2005-05-25 14:13:54.000	32,030	0
9	98	2005-05-25 16:48:24.000	31,920	0
10	170	2005-05-26 03:11:12.000	32,050	0

Refresh Save Cancel Export data 200

Question 6

Pada skema dvdrental, gabungkan address (seluruh kolom) yang memiliki city_id = 42 dengan city_id=300. Gunakan UNION.

In the dvdrental scheme, combine addresses (all columns) that have city_id = 42 with city_id=300. Use UNION.

select *

from address

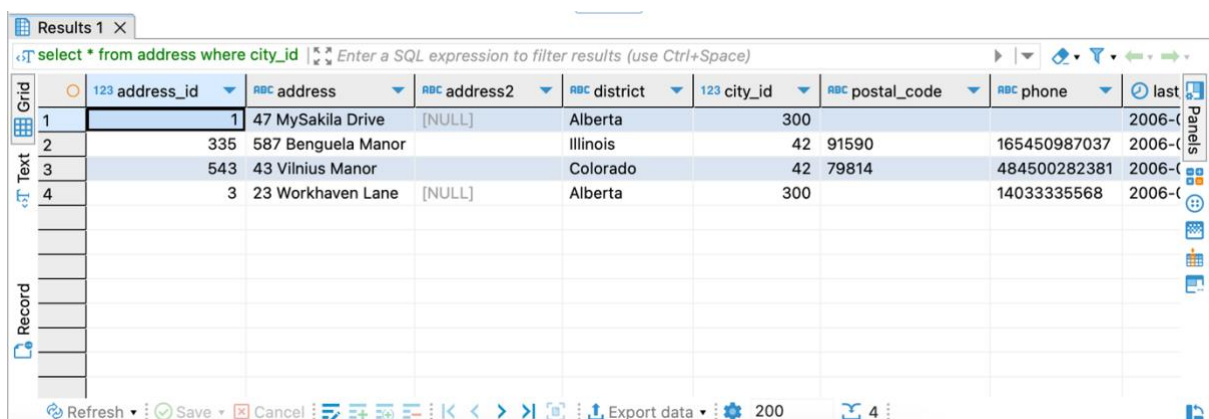
where city_id = 42

union

select *

from address

where city_id = 300;



	123 address_id	ABC address	ABC address2	ABC district	123 city_id	ABC postal_code	ABC phone	last
1	1	47 MySakila Drive	[NULL]	Alberta	300			2006-01-01 00:00:00
2	335	587 Benguela Manor		Illinois	42	91590	165450987037	2006-01-01 00:00:00
3	543	43 Vilnius Manor		Colorado	42	79814	484500282381	2006-01-01 00:00:00
4	3	23 Workhaven Lane	[NULL]	Alberta	300		14033335568	2006-01-01 00:00:00