

1.

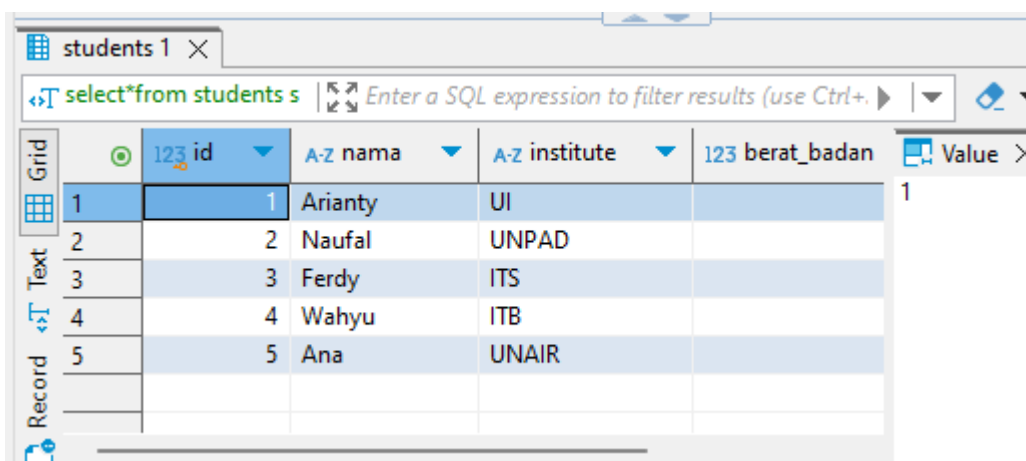
Buatlah database bernama 'dibimbing'. Buat table dengan nama **table 'students'** di **schema 'public'** berisi kolom **'id'(int), 'nama' (varchar), 'institute'(varchar), 'berat_badan' (float), 'tinggi_badan' (float)**. Isi table tersebut minimal 5 data dengan **value yang berbeda-beda. Value dibebaskan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

Jawab:

```
--Create Table Bernama Students
create table students(
    id int primary key,
    nama varchar,
    institute varchar,
    berat_badan float,
    tinggi_badan float);

--Insert Data
insert into students (id,nama,institute,berat_badan,tinggi_badan)
values (1,'Arianty','UI',50,159),
       (2,'Naufal','UNPAD',60,168),
       (3,'Ferdy','ITS',65,165),
       (4,'Wahyu','ITB',63,162),
       (5,'Ana','UNAIR',52,159);

select*from students s ;
```



The screenshot shows a database query result window titled 'students 1'. The query entered is 'select*from students s'. The results are displayed in a table with 5 rows and 5 columns: 'id', 'nama', 'institute', 'berat_badan', and 'tinggi_badan'. The first row is highlighted in blue.

	id	nama	institute	berat_badan	tinggi_badan
1	1	Arianty	UI	50	159
2	2	Naufal	UNPAD	60	168
3	3	Ferdy	ITS	65	165
4	4	Wahyu	ITB	63	162
5	5	Ana	UNAIR	52	159

2

Pada skema **dvdrental**, jawab pertanyaan berikut

Tunjukan first_name dan last_name actor yang memiliki first_name **Jennifer, Nick, dan Ed**

--Jawaban no 2

```
select first_name, last_name
from actor
where first_name in ('Jennifer', 'Nick', 'Ed');
```

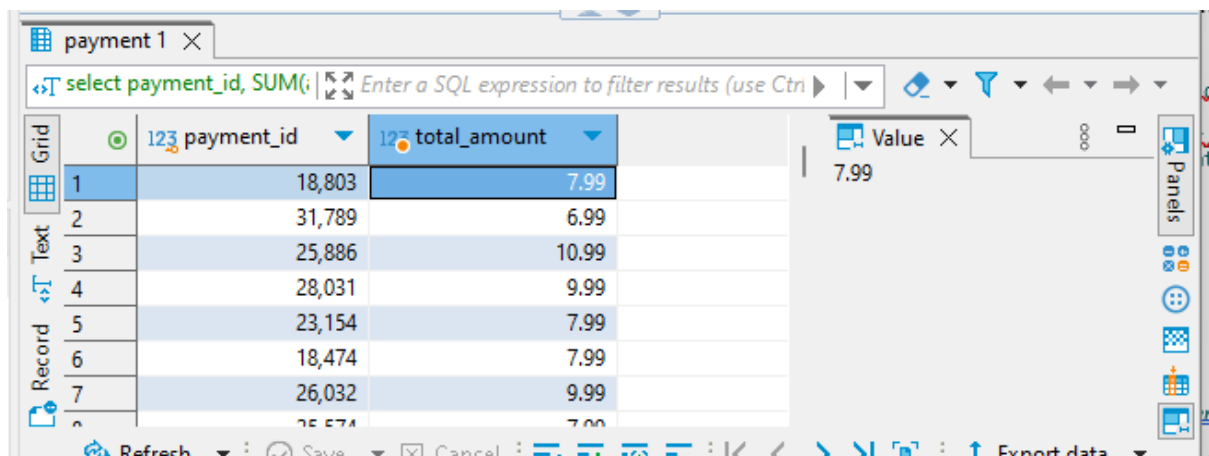
	A-Z first_name	A-Z last_name
1	Nick	Wahlberg
2	Ed	Chase
3	Jennifer	Davis
4	Nick	Stallone
5	Ed	Mansfield
6	Nick	Degeneres
7	Ed	Guinness

3

Hitung Total Amount untuk setiap payment_id yang Total Amount-nya lebih dari 5.99 (hint: menggunakan HAVING)

Jawab:

```
select payment_id, SUM(amount) as total_amount
from payment p
group by payment_id
having sum(amount)>5.99;
```



	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

4

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 (Gunakan Between)

```
SELECT
    film_id,
```

```

title,
description,
length as length ,
CASE
    WHEN length > 100 THEN 'Over 100'
    WHEN length BETWEEN 87 AND 100 THEN '87-100'
    WHEN length BETWEEN 72 AND 86 THEN '72-86'
    WHEN length < 72 THEN 'Under 72'
    ELSE 'Unknown'
END AS length_category
FROM film;

```

film_id	title	description	length	length_category
133	Chamber Italian	A Fateful Reflection c	117	Over 100
384	Grosse Wonderful	A Epic Drama of a Ca	49	Under 72
8	Airport Pollock	A Epic Tale of a Moos	54	Under 72
98	Bright Encounters	A Fateful Yarn of a Lu	73	72-86
1	Academy Dinosaur	A Epic Drama of a Fei	86	72-86
2	Ace Goldfinger	A Astounding Epistle	48	Under 72
3	Adaptation Holes	A Astounding Reflect	50	Under 72
4	Affair Prejudice	A Fanciful Document	117	Over 100

5

Dari tabel rental dan payment, tunjukkan 10 baris rental_id, rental_date, payment_id, dan amount. Ordered by amount in ascending order.

```

SELECT
    rental.rental_id,
    rental.rental_date,
    payment.payment_id,
    payment.amount
FROM rental
JOIN payment ON rental.rental_id = payment.rental_id
ORDER BY payment.amount ASC
LIMIT 10;

```

rental_id	rental_date	payment_id	amount
14,769	2006-02-14 15:16:03.000	31,946	0
14,516	2006-02-14 15:16:03.000	31,970	0
12,915	2006-02-14 15:16:03.000	31,983	0
13,713	2006-02-14 15:16:03.000	31,918	0
12,610	2006-02-14 15:16:03.000	31,920	0
11,782	2006-02-14 15:16:03.000	31,942	0
13,464	2006-02-14 15:16:03.000	32,001	0

6

Gabungkan address (seluruh kolom) yang memiliki city_id = 42 dengan city_id=300. Gunakan UNION

```

SELECT *
FROM address
WHERE city_id = 42
UNION
SELECT *
FROM address
WHERE city_id = 300;

```

Results 1							
SELECT * FROM address WHERE city_id = 42							
	123 address_id	A-Z address	A-Z address2	A-Z district	123 city_id	A-Z postal_code	Value
1	1	47 MySakila Drive	[NULL]	Alberta	300		1
2	3	23 Workhaven Lane	[NULL]	Alberta	300		
3	335	587 Benguela Manor		Illinois	42	91590	
4	543	43 Vilnius Manor		Colorado	42	79814	