

Nama : Muhammad Iqbal Aldeena

KOM : B

NIM : 201401077

**UJIAN TENGAH SEMESTER
LABORATORIUM SISTEM DATABASE LANJUTAN – 4**

1. Query yang saya gunakan :

```
SELECT negara.id_negara , negara.nama AS nama_Negara , kota.nama AS  
ibukota_Negara, presiden.nama AS nama_Presiden, benua.nama AS nama_benua,  
negara.jum_penduduk AS Populasi
```

```
FROM negara JOIN kota ON negara.ibukota = kota.id_kota JOIN presiden ON  
negara.id_negara = presiden.id_negara JOIN benua ON negara.id_benua =  
benua.id_benua
```

```
WHERE negara.jum_penduduk > 10000000;
```

Hasil :

<u>id_negara</u>	<u>nama_Negara</u>	<u>ibukota_Negara</u>	<u>nama_Presiden</u>	<u>nama_benua</u>	<u>Populasi</u>
ML	Mali	Bamako	Assimi Goita	Afrika	11088528
AO	Angola	Luanda	Joao Lourenco	Afrika	10366031
BR	Brazil	Brazilia	Michel Temer	Afrika	174468575
TZ	Tanzania	Dodoma	Samia Suluhu Hassan	Afrika	36232074
UG	Uganda	Campala	Yoweri Museveni	Afrika	23385712
EC	Ekuador	Quito	Guillermo Lasso	Amerika	13183978
CO	Kolombia	Bogota	Ivan Duque Marquez	Amerika	40349388
US	Amerika Serikat	Washington DC	Joseph R. Biden, Jr.	Amerika	278528881
PK	Pakistan	Islamabad	Arif Alvi	Asia	144616639
MY	Malaysia	Kuala Lumpur	Abdullah	Asia	22229040
ID	Indonesia	Jakarta	Joko Widodo	Asia	228437870
KR	Korea Selatan	Seoul	Moon Jae-in	Asia	47904376
JP	Jepang	Tokyo	Naruhito	Asia	126771662

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<u>id_negara</u>	<u>nama_Negara</u>	<u>ibukota_Negara</u>	<u>nama_Presiden</u>	<u>nama_benua</u>	<u>Populasi</u>
PH	Filipina	Manila	Rodrigo Duterte	Asia	82841518
IN	India	New Delhi	Ram Nath Kovind	Asia	1065462000
CN	China	Beijing	Xi Jinping	Asia	1273111290
AU	Australia	Canberra	David Hurley	Australia	19357594
UK	Inggris	London	Elizabeth II	Eropa	59647790
DE	Jerman	Berlin	Frank-Walter Steinmeier	Eropa	83029536
BE	Belgia	Brussel	Philippe	Eropa	10258762
RU	Rusia	Moskow	Vladimir Putin	Eropa	145470197

Screenshot :

Showing rows 0 - 20 (21 total, Query took 0.0006 seconds)

```
SELECT negara.id_negara, negara.nama AS nama_Negara, kota.nama AS ibukota_Negara, presiden.nama AS nama_Presiden, benua.nama AS nama_benua, negara.jumlah_penduduk AS Populasi FROM negara JOIN kota ON negara.id_negara = kota.id_kota JOIN presiden ON negara.id_negara = presiden.id_negara JOIN benua ON negara.id_benua = benua.id_benua WHERE negara.jumlah_penduduk > 10000000;
```

Extra options

id_negara	nama_Negara	ibukota_Negara	nama_Presiden	nama_benua	Populasi
ML	Mali	Bamako	Assimi Gouta	Afrika	11088528
AO	Angola	Luanda	Joao Laurenceo	Afrika	10396031
BR	Brazil	Brasilia	Michel Temer	Afrika	174488575
TZ	Tanzania	Dodoma	Samia Suluhu Hassan	Afrika	36232074
UG	Uganda	Campala	Yoweri Museveni	Afrika	23385712
EC	Ekuador	Quito	Guillermo Lasso	Amerika	13183878
CO	Kolombia	Bogota	Ivan Duque Marquez	Amerika	40349388
US	Amerika Serikat	Washington DC	Joseph R. Biden, Jr.	Amerika	278526881
PK	Pakistan	Islamabad	Arif Alvi	Asia	144616639
MY	Malaysia	Kuala Lumpur	Abdullah	Asia	22229040
ID	Indonesia	Jakarta	Joko Widodo	Asia	228437870
KR	Korea Selatan	Seoul	Moon Jae-in	Asia	47904376
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DE	Jerman	Berlin	Frank-Walter Steinmeier	Eropa	83029536
BE	Belgia	Brussel	Philippe	Eropa	10258762
RU	Rusia	Moskow	Vladimir Putin	Eropa	145470197

2. Query yang saya gunakan :

SELECT AVG(cost)

FROM items

WHERE NOT EXISTS (

SELECT id

FROM users

WHERE id = items.seller_id

);

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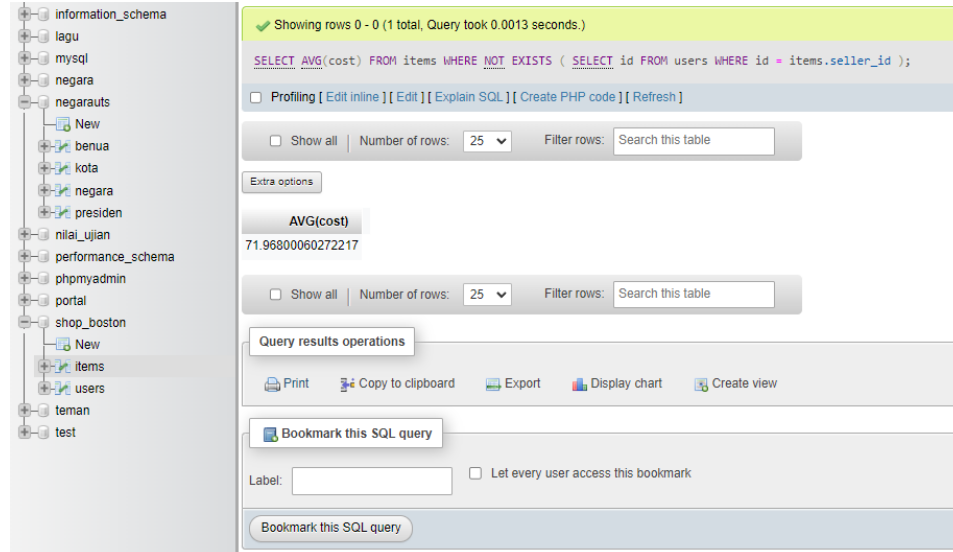
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Hasil :

AVG(cost)71.96800060272217

Screenshot :



3. Query Membuat Database :

CREATE DATABASE cinema_69;

Query Membuat Struktur Tabel Tertampil:

USE cinema_69;

CREATE TABLE Tertampil

(id_film **INT(11)** **NOT NULL PRIMARY KEY**,

judul **VARCHAR(255)** **NOT NULL**,

Days_Tampil **INT(4)** **NOT NULL**,

Cumulative_Penonton **INT(10)** **NOT NULL**,

Sutradara **VARCHAR(255)** **NOT NULL**,

Sinopsis **TEXT NULL**

);

Query Membuat Struktur Tabel log_Tertampil:

CREATE TABLE log_Penampilan

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```
(id_logged INT(11) NOT NULL PRIMARY KEY AUTO_INCREMENT,  
time_logged DATETIME NOT NULL,  
id_film INT(11) NOT NULL ,  
judul VARCHAR(255) NOT NULL,  
Days_Tampil INT(4) NOT NULL,  
Cumulative_Penonton INT(10) NOT NULL,  
Sutradara VARCHAR(255) NOT NULL,  
Sinopsis TEXT NULL);
```

Query Insert 10 data:

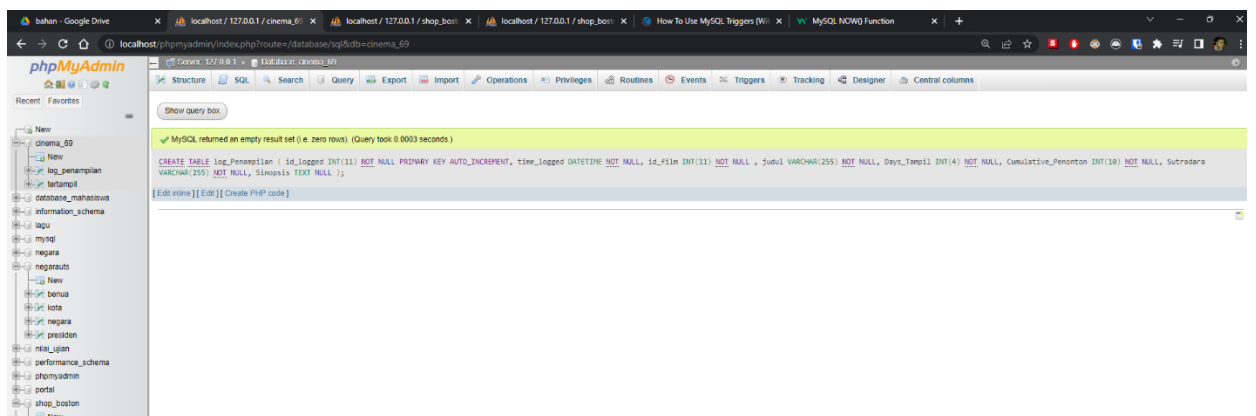
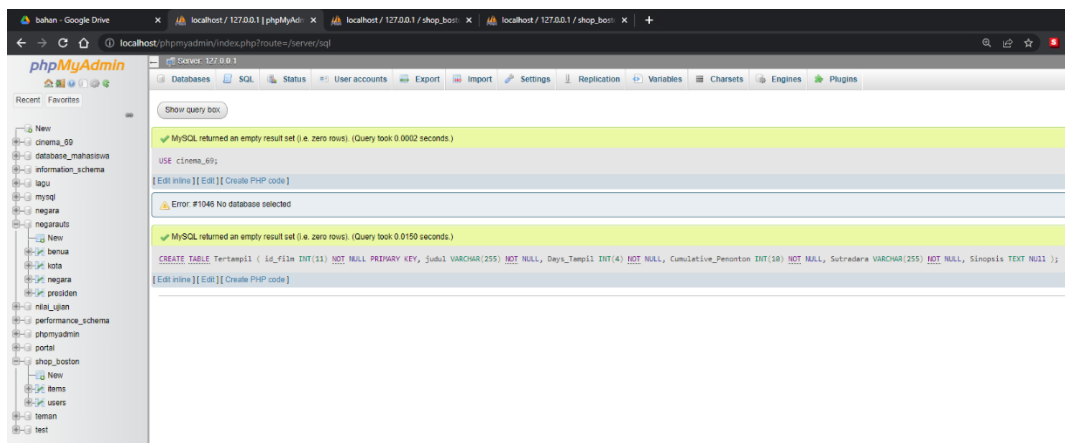
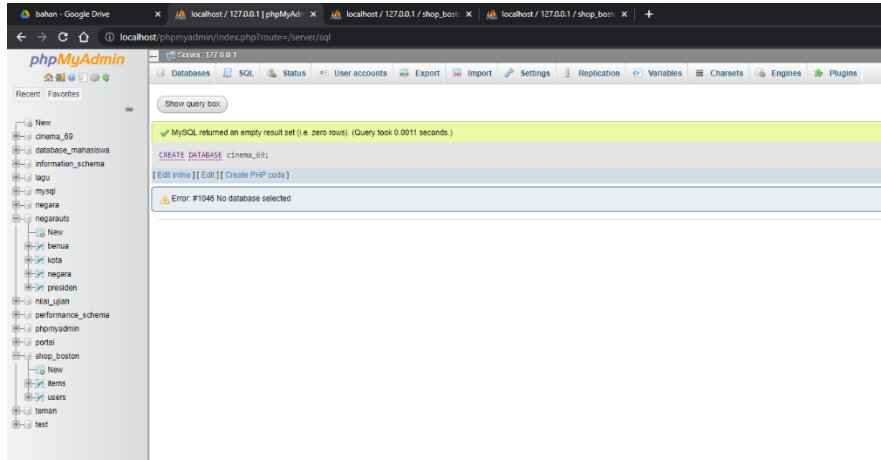
```
INSERT INTO tertampil VALUES ( 1, "Gundala",28,10000000,"Joko  
Anwar","HUHUHUHUHUHUHUHUHU");  
INSERT INTO tertampil VALUES ( 2, "Gundala Putra Petir",56,20000000,"Joko  
Anwar","HUHUHUHUHUHUHUHUHU");  
INSERT INTO tertampil VALUES ( 3, "Sri Asih",56,35000000,"Joko  
Anwar","HUHUHUHUHUHUHUHUHU");  
INSERT INTO tertampil VALUES ( 4, "DR STRANGE : MULTIVERSE OF  
MADNESS",84,80000000,"Sam Raimi","bndbbbb");  
INSERT INTO tertampil VALUES ( 5, "THOR : LOVE AND  
THUNDER",84,40000000,"Taika Waititi","bndbbbb");  
INSERT INTO tertampil VALUES ( 6, "Si Buta dari Gua Hantu",50,20000000,"Joko  
Anwar","bndbbbb");  
INSERT INTO tertampil VALUES ( 7, "ANT - MAN AND THE WASP :  
QUANTUMANIA",20, 1000000, "Peyton Reed","huhuh");  
INSERT INTO tertampil VALUES ( 8, "Eternals",25, 2000000, "Chloe Zoe","huhuh");  
INSERT INTO tertampil VALUES ( 9, "Avengers : Endgame",90, 10000000, "The  
Russo Brothers","huhuh");  
INSERT INTO tertampil VALUES ( 10, "Avengers : Infinity War",90, 10000000, "The  
Russo Brothers","huhuh");
```

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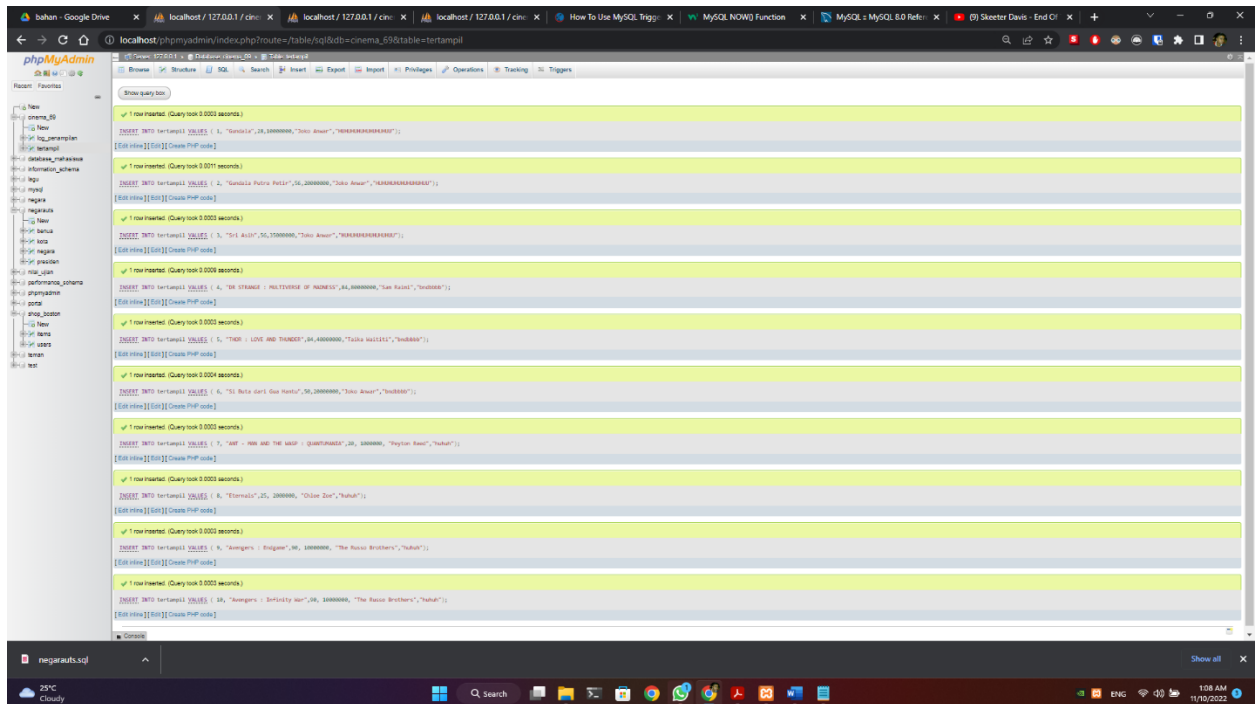
Screenshot :



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4. Procedure

- Untuk menghitung jumlah film yang diputar

Definisi Prosedur count_Playing :

SELECT COUNT(judul) FROM tertampil;

Query Memanggil :

CALL `count_Playing`(@p0);

Hasil :

COUNT(judul)

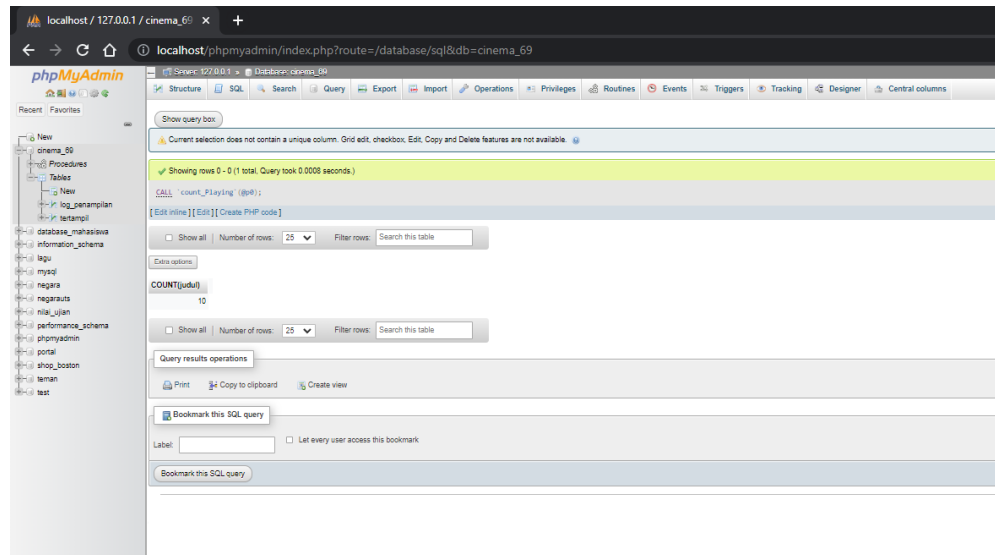
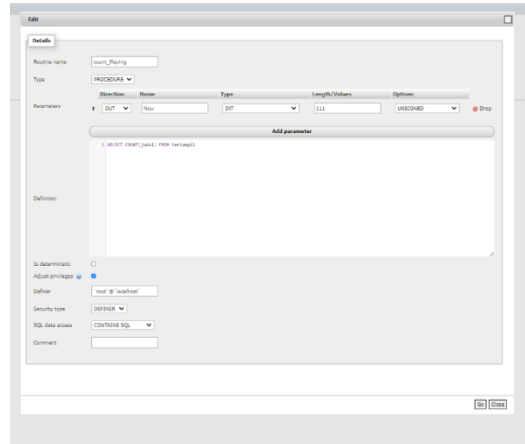
10

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Screenshot :



b. Untuk menghitung rata-rata jumlah penonton film

Definisi Prosedur average_Watchers :

SELECT AVG(Cumulative_Penonton) FROM **tertampil;**

Query Memanggil :

CALL `average_Watchers`(@p0);

Hasil :

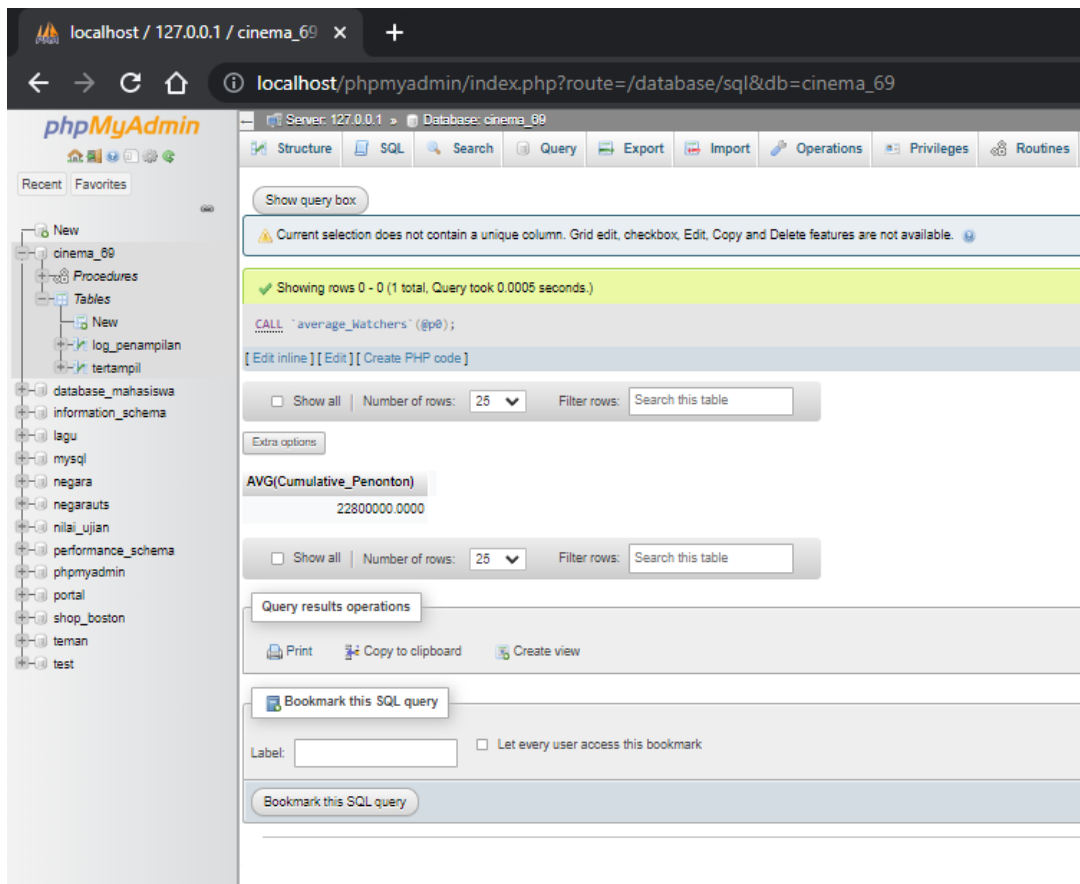
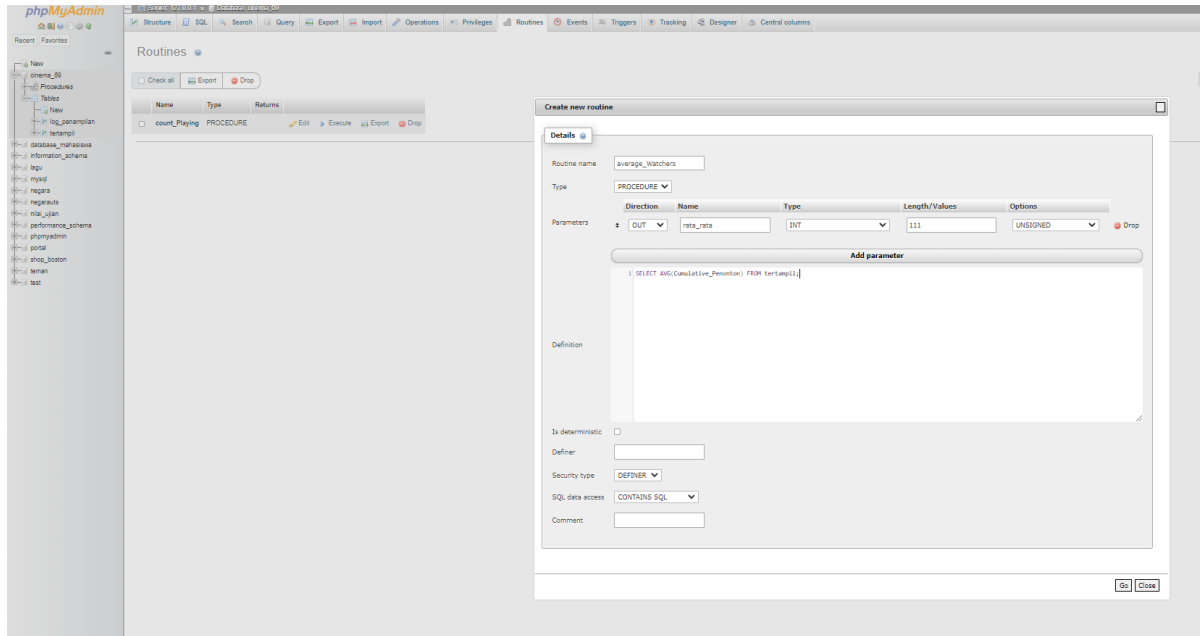
AVG(Cumulative_Penonton)
22800000.0000

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Screenshot :



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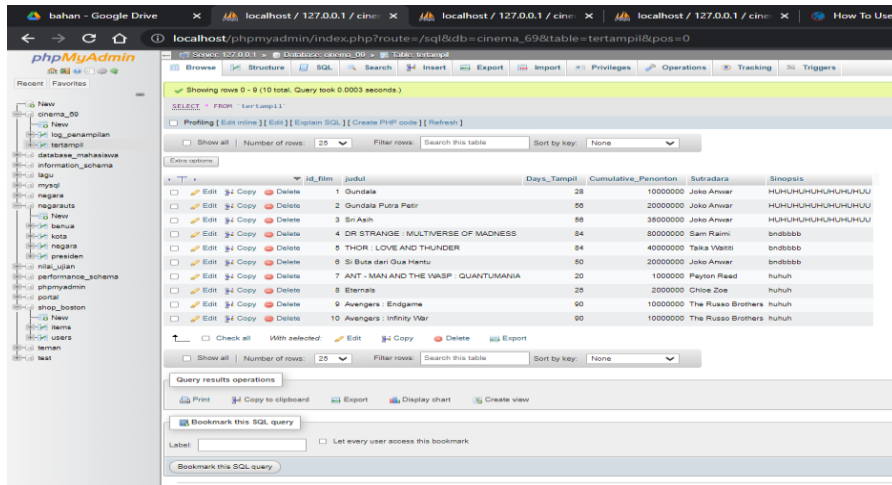
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5. Trigger AFTER INSERT :

INSERT INTO log_penampilan VALUES (NULL, now(), new.id_film, new.judul, new.Days_Tampil, new.Cumulative_Penonton, new.Sutradara, new.Sinopsis)

Hasil :



Screenshot :

