# Assignment3

CSC 4710 Database System

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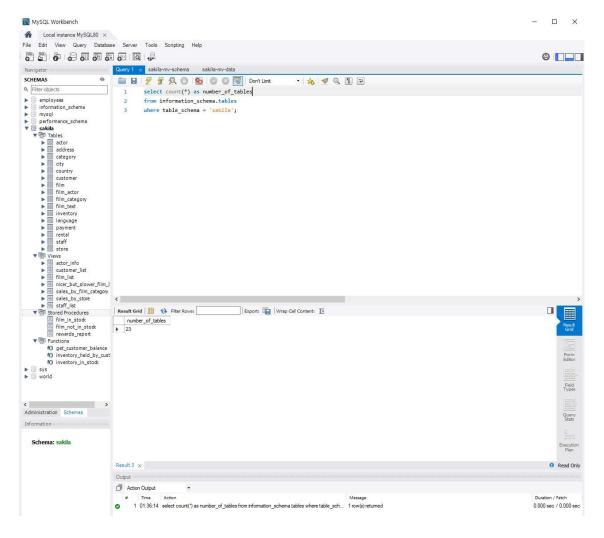
#### Part2

1. The number of tables: 23 tables.

select count(\*) as number\_of\_tables

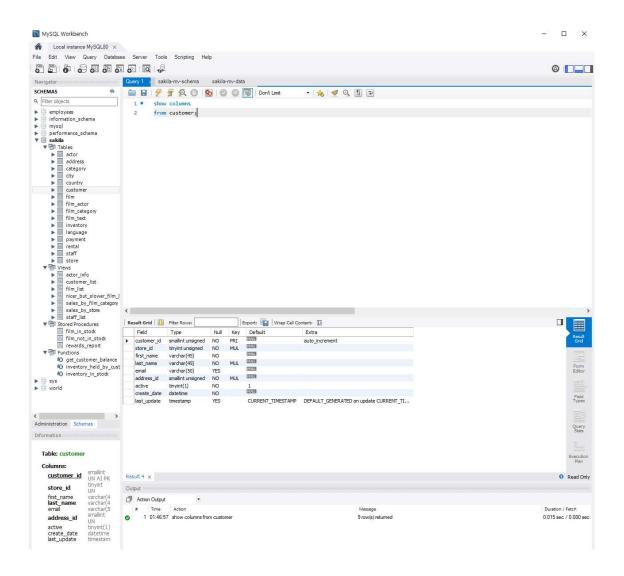
from information\_schema.tables

where table\_schema = 'sakila';



#### show columns

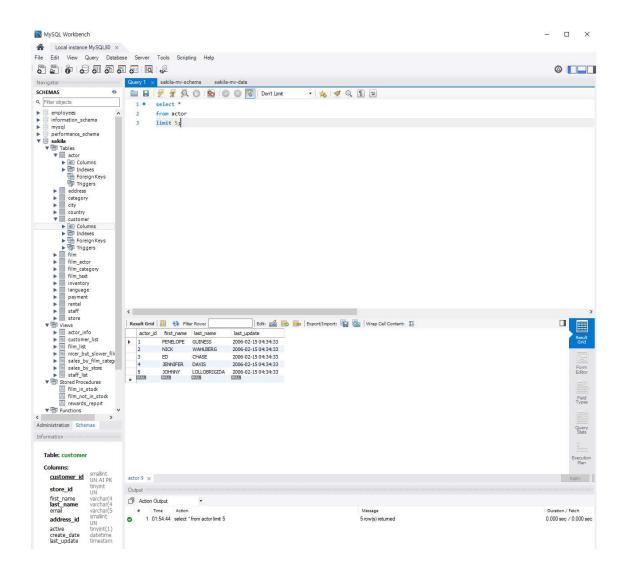
from customer;



select \*

from actor

limit 5;

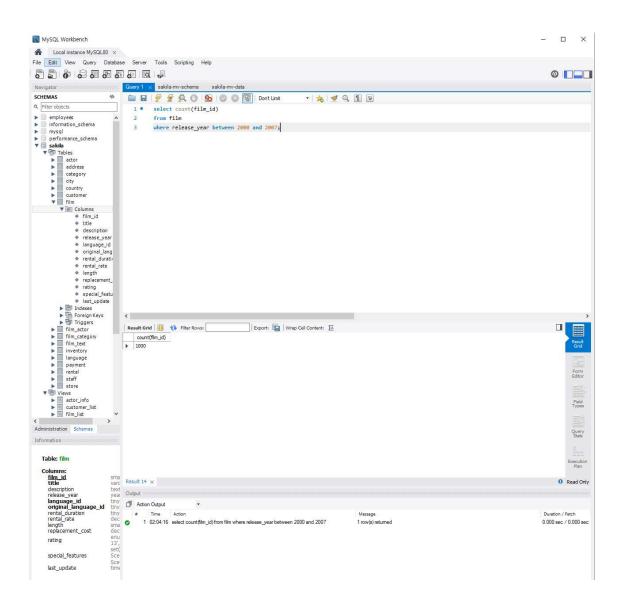


1000 films.

select count(film\_id)

from film

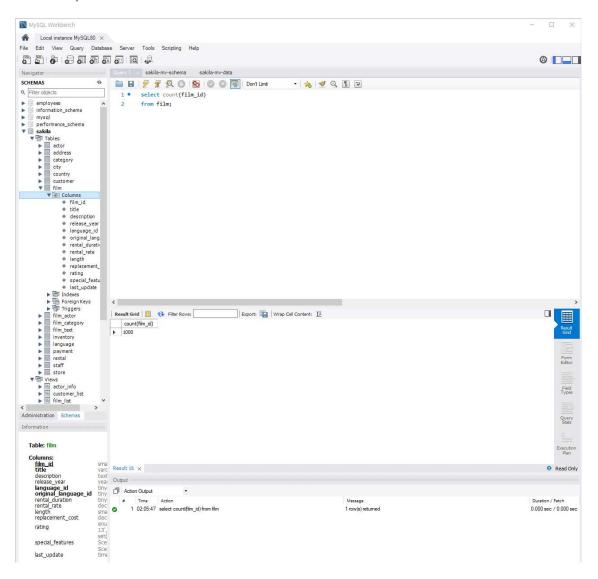
where release\_year between 2000 and 2007;



## Total 1000 films

# select count(film\_id)

## from film;

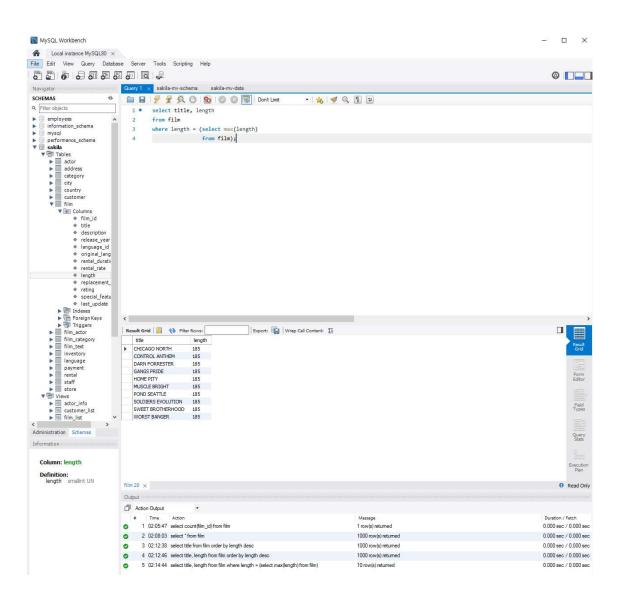


select title, length

from film

where length = (select max(length)

from film);

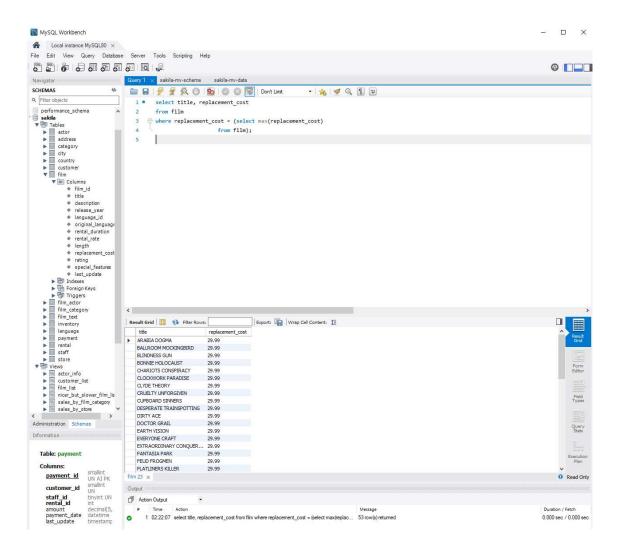


select title, replacement\_cost

from film

where replacement\_cost = (select max(replacement\_cost)

from film);

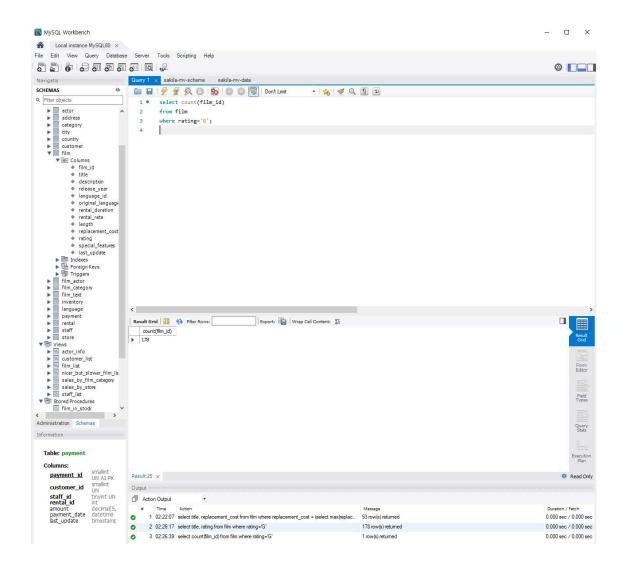


# 8. 178 films for rating 'G'.

select count(film\_id)

from film

where rating='G';



English Italian

Japanese

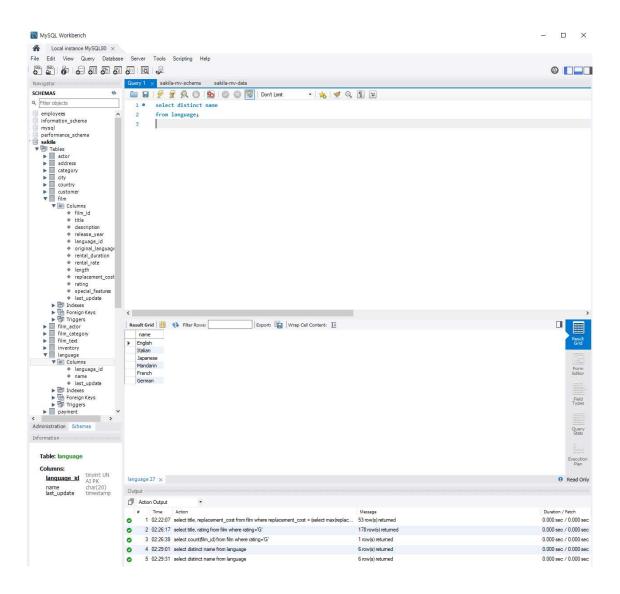
Mandarin

French

German

#### select distinct name

## from language;

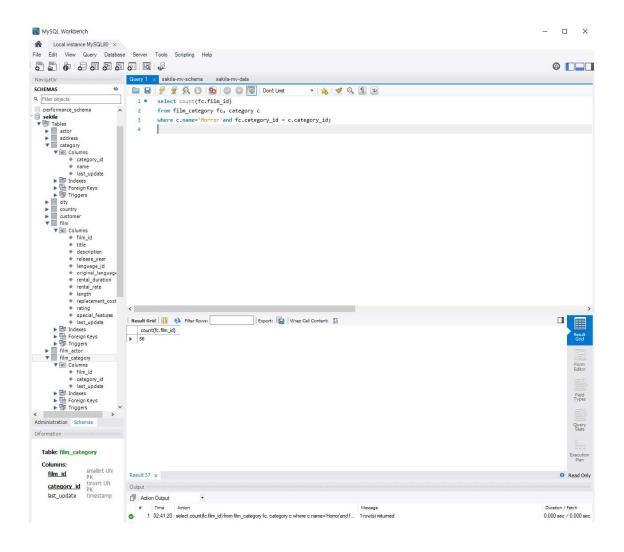


# **10.** 56 films for 'Horror'.

select count(fc.film\_id)

from film\_category fc, category c

where c.name='Horror' and fc.category\_id = c.category\_id;

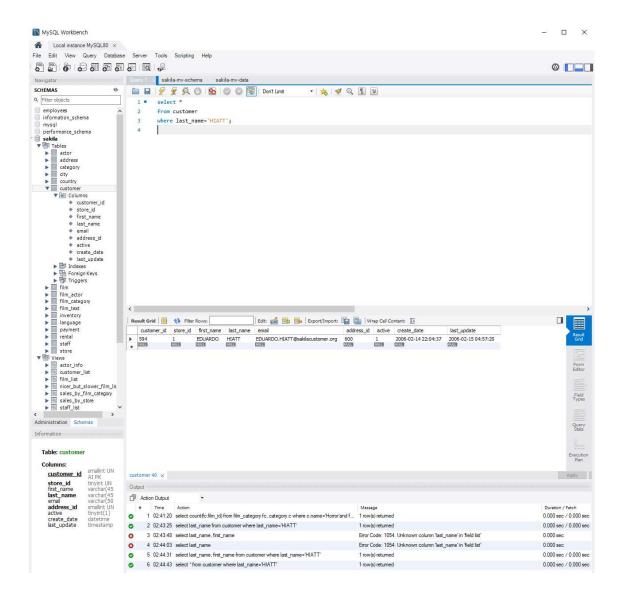


## **11.** Yes

select \*

from customer

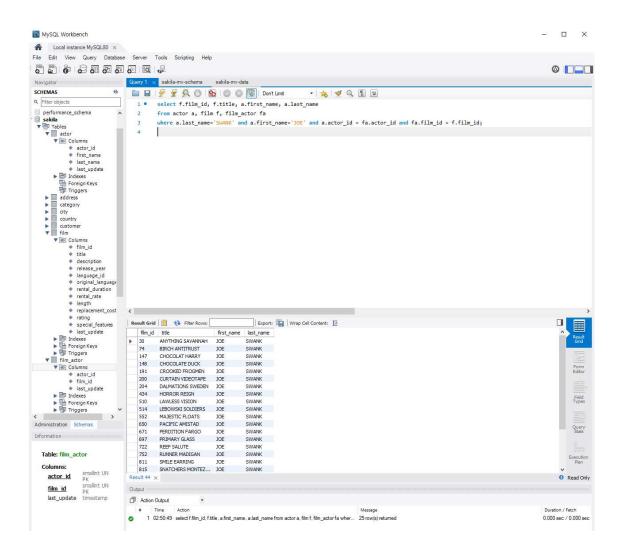
where last\_name='HIATT';



select f.film\_id, f.title, a.first\_name, a.last\_name

from actor a, film f, film\_actor fa

where a.last\_name='SWANK' and a.first\_name='JOE' and a.actor\_id = fa.actor\_id and fa.film\_id = f.film\_id;

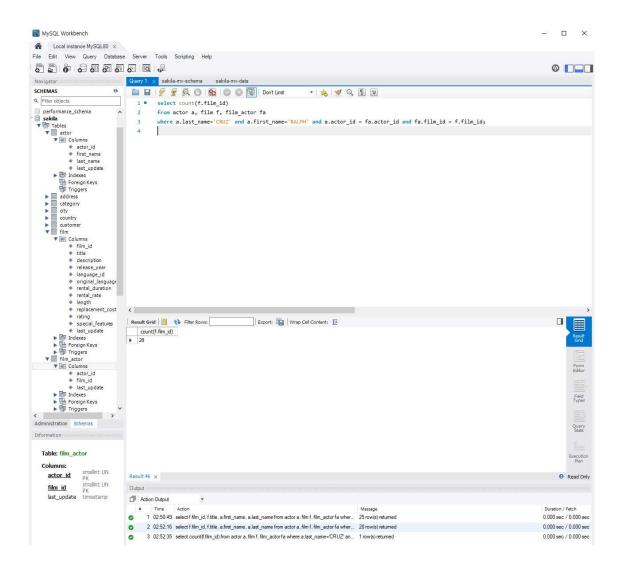


# 13. 28 films for 'Ralph Cruz'

select count(f.film\_id)

from actor a, film f, film\_actor fa

where a.last\_name='CRUZ' and a.first\_name='RALPH' and a.actor\_id = fa.actor\_id and fa.film\_id = f.film\_id;

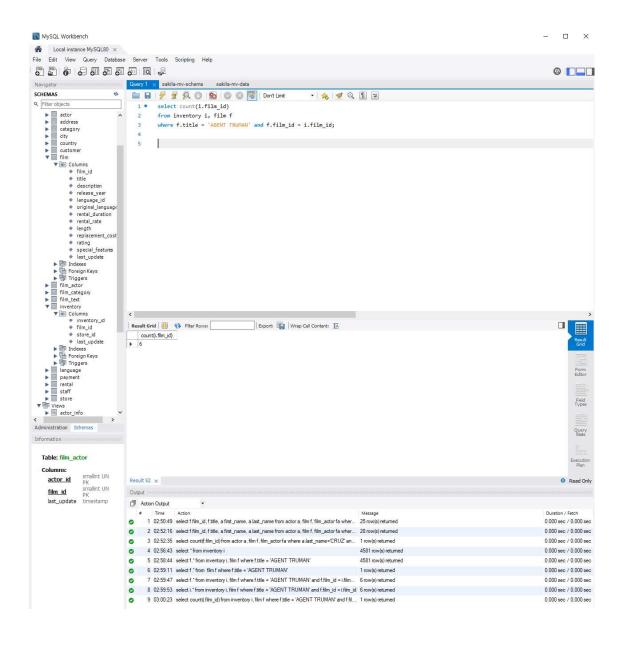


## **14.** 6 records in inventory

select count(i.film\_id)

from inventory i, film f

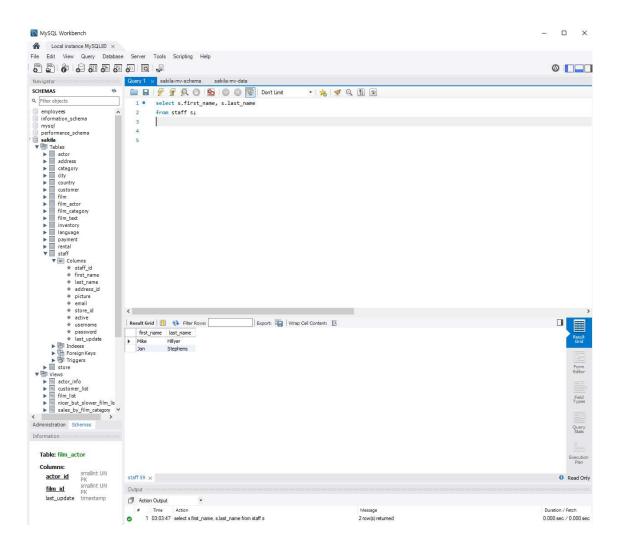
where f.title = 'AGENT TRUMAN' and f.film\_id = i.film\_id;



Mike Hillyer Jon Stephens

select s.first\_name, s.last\_name

from staff s;



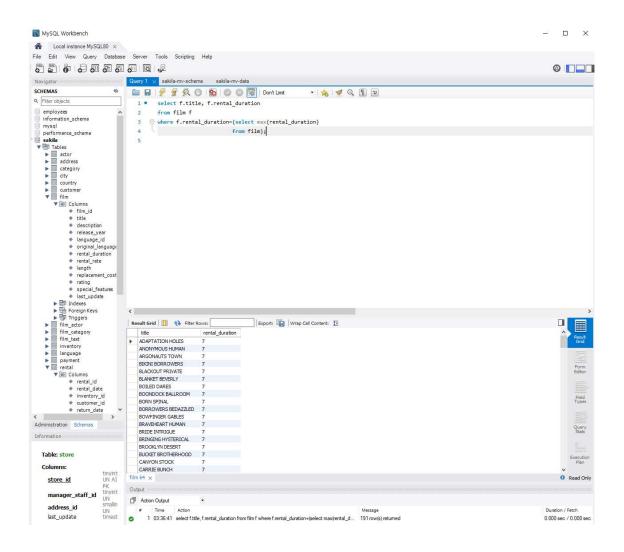
# **16.** The longest rental duration is 7

select f.title, f.rental\_duration

## from film f

where f.rental\_duration=(select max(rental\_duration)

from film);

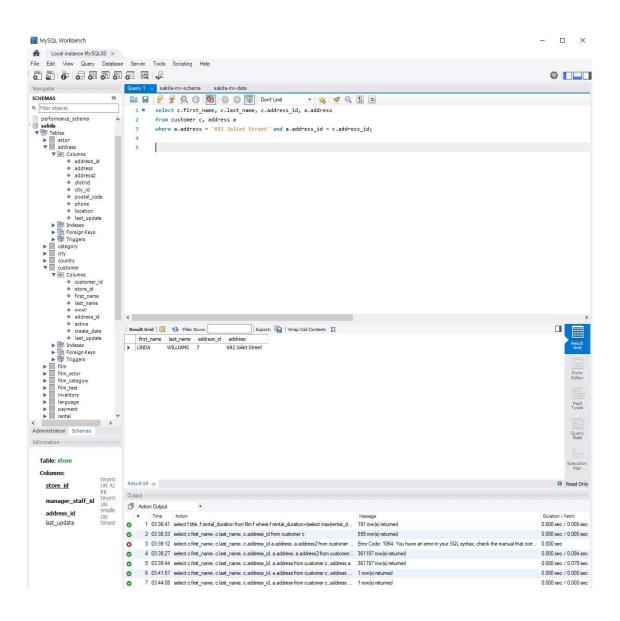


#### LINDA WILLIAMS

select c.first\_name, c.last\_name, c.address\_id, a.address

from customer c, address a

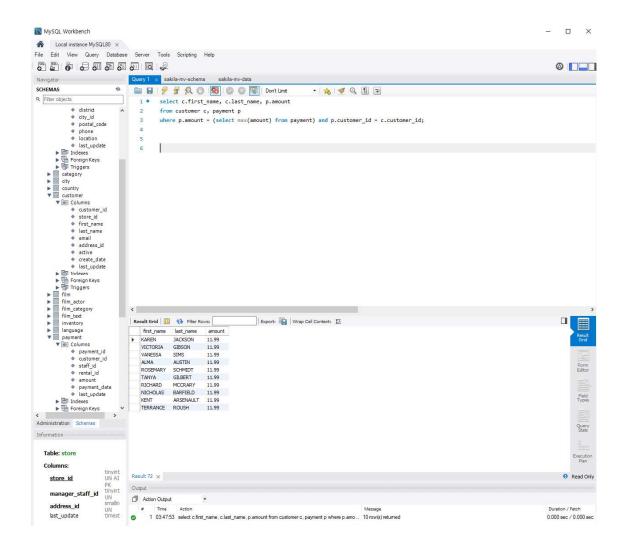
where a.address = '692 Joliet Street' and a.address\_id = c.address\_id;



select c.first\_name, c.last\_name, p.amount

from customer c, payment p

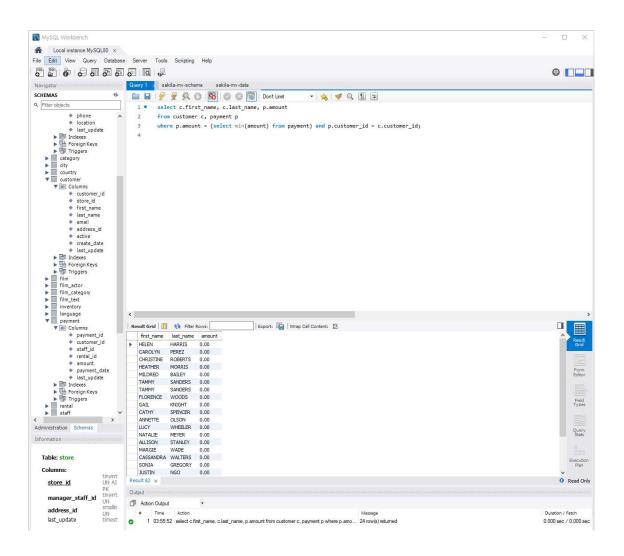
where p.amount = (select max(amount) from payment) and p.customer\_id = c.customer\_id;



select c.first\_name, c.last\_name, p.amount

from customer c, payment p

where p.amount = (select min(amount) from payment) and p.customer\_id = c.customer\_id;



#### **CUBA OLIVIER**

#### 28 movies

select distinct a.\*, count(a.actor\_id) as number\_of\_movies

from actor a, film\_actor fa

where fa.actor\_id = (select max(total) from (select count(\*) as total from film\_actor group by film\_id) as result) and

fa.actor\_id = a.actor\_id;

