1.

SELECT c.customer\_id, f.title

FROM customer c

JOIN rental r ON c.customer\_id = r.customer\_id

JOIN inventory i ON r.inventory\_id = i.inventory\_id

JOIN film\_text f ON i.film\_id = f.film\_id

WHERE i.store\_id = 2 AND r.return\_date is null AND MONTH(rental\_date) = 2 AND YEAR(rental\_date) = 2006;

2.

SELECT \*

FROM film\_text

WHERE description LIKE '%drama%teacher%';

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ALTER TABLE film\_text ADD fulltext (description); #ADD quyền match

SELECT \*

FROM film\_text

WHERE MATCH(description) AGAINST ('+drama +teacher' IN BOOLEAN MODE);

# Nếu thay dấu + thành dấu – có nghĩa là: + có drama (+drama), - có nghĩa là không có teacher

# (-teacher) khoảng cách giữa 2 kí tự bao giờ cũng có space;

3.

SELECT i.film\_id, f.title, count(i.film\_id) as total

FROM inventory i

JOIN film\_text f ON i.film\_id = f.film\_id

JOIN rental r ON i.inventory\_id = r.inventory\_id

WHERE MONTH(rental\_date) = 2 AND YEAR(rental\_date) = 2006

GROUP BY i.film\_id, f.film\_id # có thể GROUP BY 2 column 1 lúc

ORDER BY total DESC, i.film\_id

LIMIT 10;

#a \_ THạch’s

select f.film\_id, f.title, count(\*) as n\_rentals from film f

inner join inventory i on f.film\_id = i.film\_id

inner join rental r on r.inventory\_id = i.inventory\_id

where month(r.rental\_date) = 2 and year(r.rental\_date) = 2006

group by f.film\_id

order by n\_rentals desc, f.film\_id

limit 10

# C2 SUBQUERY

SELECT i.film\_id, count(i.film\_id) as total

FROM inventory i

WHERE i.inventory\_id IN (

SELECT r.inventory\_id

FROM rental r

WHERE YEAR(rental\_date) = 2006 AND MONTH(rental\_date) = 2

)

GROUP BY i.film\_id

ORDER BY total DESC, i.film\_id

LIMIT 10;

4.

SELECT count(r.inventory\_id), i.store\_id

FROM inventory i

JOIN rental r ON i.inventory\_id = r.inventory\_id

WHERE MONTH(r.rental\_date) = 2 AND YEAR(rental\_date) = 2006

GROUP BY i.store\_id;

5.

SELECT title

FROM film\_text f

JOIN inventory i ON f.film\_id = i.film\_id

WHERE title LIKE '%dinosaur%' AND i.store\_id = 1;