1. Select only film titles that are not in the inventory

SELECT title

FROM film

LEFT JOIN inventory

ON film.film\_id = inventory.film\_id

WHERE inventory\_id IS NULL;

1. Find Customers who have payment

SELECT first\_name, last\_name

FROM customer

RIGHT JOIN payment

ON customer.customer\_id = payment.customer\_id

WHERE payment.amount > 0;

1. Find maximum length of film grouped by film category

SELECT category.name, MAX(length)

FROM film

LEFT JOIN film\_category

ON film.film\_id = film\_category.film\_id

LEFT JOIN category

ON category.category\_id = film\_category.category\_id

GROUP BY category.name;

1. Find the films whose lengths are greater than or equal to the maximum length of any film category
2. Find films whose category is either Action or Drama

SELECT film.title, category.name

FROM film

LEFT JOIN film\_category

ON film.film\_id = film\_category.film\_id

LEFT JOIN category

ON category.category\_id = film\_category.category\_id

WHERE category.name = 'Action' OR category.name = 'Drama'

1. Find each Staff name for each customer who have payment

SELECT customer.first\_name AS customer\_name, customer.last\_name AS customer\_last\_name, staff.first\_name AS staff\_first\_name, staff.last\_name AS staff\_last\_name

FROM payment

LEFT JOIN staff

ON payment.staff\_id = staff.staff\_id

LEFT JOIN customer

ON customer.customer\_id = payment.customer\_id

WHERE payment.amount > 0;