MySQL Queries Using Sakila Database

USE sakila

-- Task 1. Retrieve the names and email addresses of all customers

SELECT first\_name, last\_name, email

FROM customer;

-- Task 2. Find top films by rental rate

SELECT title, rental\_rate

FROM film

ORDER BY rental\_rate;

-- Task 3. Calculate total revenue by film category

SELECT c.name AS category, SUM(p.amount) AS total\_revenue

FROM payment p

JOIN rental r ON p.rental\_id = r.rental\_id

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

JOIN film\_category fc ON i.film\_id = fc.film\_id

JOIN category c ON fc.category\_id = c.category\_id

GROUP BY c.name;

-- Task 4. Retrieve rental history for specific customer

SELECT c.first\_name, c.last\_name, f.title, r.rental\_date

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

WHERE c.customer\_id = (44);

-- Task 5. Retrieve late rentals with customer information

SELECT c.customer\_id, c.first\_name, c.last\_name, r.rental\_date, r.return\_date

FROM customer c

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

WHERE r.return\_date IS NULL;