

## Top 10 Movies in Revenue Query

```
SELECT film.title,  
       film.rating,  
       SUM(payment.amount) AS total_revenue  
FROM film  
INNER JOIN inventory ON film.film_id = inventory.film_id  
INNER JOIN rental ON inventory.inventory_id = rental.inventory_id  
INNER JOIN payment ON rental.rental_id = payment.rental_id  
GROUP BY film.title, film.rating  
ORDER BY total_revenue DESC  
LIMIT 10
```

## Bottom 10 Movies in Revenue Query

```
SELECT film.title,  
       film.rating,  
       SUM(payment.amount) AS total_revenue  
FROM film  
INNER JOIN inventory ON film.film_id = inventory.film_id  
INNER JOIN rental ON inventory.inventory_id = rental.inventory_id  
INNER JOIN payment ON rental.rental_id = payment.rental_id  
GROUP BY film.title, film.rating  
ORDER BY total_revenue ASC  
LIMIT 10
```

## Total Revenue by Genre Query

```
SELECT SUM(amount) AS total_revenue, category_id,  
CASE
```

```

    WHEN film_category.category_id = 1 THEN 'Action'
    WHEN film_category.category_id = 2 THEN 'Animation'
    WHEN film_category.category_id = 3 THEN 'Children'
    WHEN film_category.category_id = 4 THEN 'Classics'
    WHEN film_category.category_id = 5 THEN 'Comedy'
    WHEN film_category.category_id= 6 THEN 'Documentary'
    WHEN film_category.category_id= 7 THEN 'Drama'
    WHEN film_category.category_id= 8 THEN 'Family'
    WHEN film_category.category_id= 9 THEN 'Foreign'
    WHEN film_category.category_id= 10 THEN 'Games'
    WHEN film_category.category_id= 11 THEN 'Horror'
    WHEN film_category.category_id= 12 THEN 'Music'
    WHEN film_category.category_id= 13 THEN 'New'
    WHEN film_category.category_id= 14 THEN 'Sci-Fi'
    WHEN film_category.category_id= 15 THEN 'Sports'
    WHEN film_category.category_id= 16 THEN 'Travel'
    WHEN film_category.category_id= 17 THEN 'Thriller'
    WHEN film_category.category_id= 18 THEN 'Crime'
    WHEN film_category.category_id= 20 THEN 'Romance'
    WHEN film_category.category_id= 21 THEN 'War'

END AS genre

FROM film_category

INNER JOIN inventory ON inventory.film_id=film_category.film_id
INNER JOIN rental ON inventory.inventory_id=rental.inventory_id

```

```
INNER JOIN payment ON rental.rental_id=payment.rental_id  
GROUP BY film_category.category_id ORDER BY total_revenue DESC
```

### Inventory Count by Genre

```
SELECT COUNT(inventory.film_id) AS movie_count,category_id,  
CASE  
    WHEN film_category.category_id = 1 THEN 'Action'  
    WHEN film_category.category_id = 2 THEN 'Animation'  
    WHEN film_category.category_id = 3 THEN 'Children'  
    WHEN film_category.category_id = 4 THEN 'Classics'  
    WHEN film_category.category_id = 5 THEN 'Comedy'  
    WHEN film_category.category_id= 6 THEN 'Documentary'  
    WHEN film_category.category_id= 7 THEN 'Drama'  
    WHEN film_category.category_id= 8 THEN 'Family'  
    WHEN film_category.category_id= 9 THEN 'Foreign'  
    WHEN film_category.category_id= 10 THEN 'Games'  
    WHEN film_category.category_id= 11 THEN 'Horror'  
    WHEN film_category.category_id= 12 THEN 'Music'  
    WHEN film_category.category_id= 13 THEN 'New'  
    WHEN film_category.category_id= 14 THEN 'Sci-Fi'  
    WHEN film_category.category_id= 15 THEN 'Sports'  
    WHEN film_category.category_id= 16 THEN 'Travel'  
    WHEN film_category.category_id= 17 THEN 'Thriller'  
    WHEN film_category.category_id= 18 THEN 'Crime'
```

```
        WHEN film_category.category_id= 20 THEN 'Romance'
        WHEN film_category.category_id= 21 THEN 'War'
END AS genre
FROM film_category
INNER JOIN inventory ON inventory.film_id=film_category.film_id
GROUP BY film_category.category_id ORDER BY movie_count DESC
```

### Average Rental Duration Query

### Customer Country Location Query

```
Select COUNT (A. customer_id) AS total_customers,
D. country
FROM customer A
INNER JOIN address b ON A. address_id = B. address_id
INNER JOIN city c ON B. city_id= C. city_id
INNER JOIN country d ON C. country_id= D. country_id
GROUP BY D.country
ORDER BY total_customers DESC
```

### Lifetime Customers Query

```
SELECT customer.customer_id, customer.first_name, customer.last_name,
country.country, city.city, SUM(payment.amount) AS total_amount_paid
FROM payment
```

```
INNER JOIN customer ON customer.customer_id = payment.customer_id
INNER JOIN address ON address.address_id = customer.address_id
INNER JOIN city ON city.city_id = address.city_id
INNER JOIN country ON country.country_id = city.country_id
WHERE city.city IN ( SELECT city.city
FROM customer
LEFT JOIN address ON address.address_id = customer.address_id
LEFT JOIN city ON city.city_id = address.city_id
LEFT JOIN country ON country.country_id = city.country_id
GROUP BY city.city
ORDER BY COUNT(customer_id)
DESC LIMIT 10)
GROUP BY customer.customer_id, customer.first_name,
customer.last_name,
country.country, city.city
ORDER BY total_amount_paid DESC
LIMIT 10
```

### Geographic Region Query

```
SELECT
    country.country,
    SUM(payment.amount) AS total_revenue
FROM
    payment
INNER JOIN
```

rental ON payment.rental\_id = rental.rental\_id

INNER JOIN

customer ON rental.customer\_id = customer.customer\_id

INNER JOIN

address ON customer.address\_id = address.address\_id

INNER JOIN

city ON address.city\_id = city.city\_id

INNER JOIN

country ON city.country\_id = country.country\_id

GROUP BY

country.country

ORDER BY

total\_revenue DESC