

Top 10 Movies

```
SELECT D. title, SUM(A. amount) AS profit, F.name
FROM payment A
JOIN rental B ON A.rental_id = B.rental_id
JOIN inventory C ON B.inventory_id = C.inventory_id
JOIN film D ON C.film_id = D.film_id
JOIN film_category E ON D.film_id = E.film_id
JOIN category F ON E.category_id = F.category_id
GROUP BY title, name
ORDER BY profit DESC
LIMIT 10
```

	title character varying (255) 🔒	profit numeric 🔒	name character varying (25) 🔒
1	Telegraph Voyage	215.75	Music
2	Zorro Ark	199.72	Comedy
3	Wife Turn	198.73	Documentary
4	Innocent Usual	191.74	Foreign
5	Hustler Party	190.78	Comedy
6	Saturday Lambs	190.74	Sports
7	Titans Jerk	186.73	Sci-Fi
8	Harry Idaho	177.73	Drama
9	Torque Bound	169.76	Drama
10	Dogma Family	168.72	Animation

Bottom 10 Movies

```
SELECT D. title, SUM(A. amount) AS profit, F.name
FROM payment A
JOIN rental B ON A.rental_id = B.rental_id
JOIN inventory C ON B.inventory_id = C.inventory_id
JOIN film D ON C.film_id = D.film_id
JOIN film_category E ON D.film_id = E.film_id
JOIN category F ON E.category_id = F.category_id
GROUP BY title, name
ORDER BY profit ASC
LIMIT 10
```

	title character varying (255) 🔒	profit numeric 🔒	name character varying (25) 🔒
1	Texas Watch	5.94	Horror
2	Oklahoma Jumanji	5.94	New
3	Duffel Apocalypse	5.94	Documentary
4	Freedom Cleopatra	5.95	Comedy
5	Rebel Airport	6.93	Music
6	Young Language	6.93	Documentary
7	Cruelty Unforgiven	6.94	Classics
8	Treatment Jekyll	6.94	Drama
9	Lights Deer	7.93	Classics
10	Stallion Sundance	7.94	Sci-Fi

Revenue by Genre

```
SELECT SUM(A. amount) AS profit, F.name
FROM payment A
JOIN rental B ON A.rental_id = B.rental_id
JOIN inventory C ON B.inventory_id = C.inventory_id
JOIN film D ON C.film_id = D.film_id
JOIN film_category E ON D.film_id = E.film_id
JOIN category F ON E.category_id = F.category_id
GROUP BY name
ORDER BY profit DESC
```

	profit numeric	name character varying (25)
1	4892.19	Sports
2	4336.01	Sci-Fi
3	4245.31	Animation
4	4118.46	Drama
5	4002.48	Comedy
6	3966.38	New
7	3951.84	Action
8	3934.47	Foreign
9	3922.18	Games
10	3782.26	Family
11	3749.65	Documentary
12	3401.27	Horror
13	3353.38	Classics
14	3309.39	Children
15	3227.36	Travel
16	3071.52	Music
17	47.89	Thriller

Count of Movie Titles by Genre

```
SELECT F.name AS genre, COUNT (DISTINCT D.title) AS
num_movies
FROM payment A
JOIN rental B ON A.rental_id = B.rental_id
JOIN inventory C ON B.inventory_id = C.inventory_id
JOIN film D ON C.film_id = D.film_id
JOIN film_category E ON D.film_id = E.film_id
JOIN category F ON E.category_id = F.category_id
GROUP BY genre
ORDER BY num_movies DESC
```

	genre character varying (25)	num_movies bigint
1	Sports	73
2	Foreign	67
3	Family	66
4	Animation	64
5	Documentary	63
6	Action	61
7	Drama	61
8	New	60
9	Sci-Fi	59
10	Children	58
11	Games	58
12	Comedy	56
13	Classics	54
14	Horror	53
15	Travel	53
16	Music	51
17	Thriller	1

Rental Duration & Cost Stats

```
SELECT
    AVG(rental_rate) AS rental_rate_avg,
    MIN(rental_rate) AS rental_rate_min,
    MAX(rental_rate) AS rental_rate_max,
    AVG(rental_duration) AS rental_duraton_avg,
    MIN(rental_duration) AS rental_duraton_min,
    MAX(rental_duration) AS rental_duraton_max
FROM film
```

rental_rate_avg numeric	rental_rate_min numeric	rental_rate_max numeric
2.9800000000000000	0.99	4.99

rental_duraton_avg numeric	rental_duraton_min smallint	rental_duraton_max smallint
4.9850000000000000	3	7

Customer & Revenue by Country

```
SELECT country,  
       COUNT(DISTINCT A.customer_id) AS customer_count,  
       SUM(amount) AS total_payment  
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  
INNER JOIN payment E ON A.customer_id = E.customer_id  
GROUP BY country  
ORDER BY total_payment DESC
```

	country character varying (50)	customer_count bigint	total_payment numeric
1	India	60	6034.78
2	China	53	5251.03
3	United States	36	3685.31
4	Japan	31	3122.51
5	Mexico	30	2984.82
6	Brazil	28	2919.19
7	Russian Federation	28	2765.62
8	Philippines	20	2219.70
9	Turkey	15	1498.49
10	Indonesia	14	1352.69
11	Nigeria	12	1214.02

Top 5 Customers That are in the Top 10 Cities of the Top 10 Countries

```
SELECT B.customer_id, B.first_name, B.last_name, E.country,
D.city, SUM(A.amount) AS total_amount_paid
FROM payment A
INNER JOIN customer B ON A.customer_id = B.customer_id
INNER JOIN address C ON B.address_id = C.address_id
INNER JOIN city D ON C.city_id = D.city_id
INNER JOIN country E ON D.country_id = E.country_id
WHERE(E.country, D.city) IN (
    SELECT E.country, D.city
    FROM customer B
    INNER JOIN address C ON B.address_id = C.address_id
    INNER JOIN city D ON C.city_id = D.city_id
    INNER JOIN country E ON D.country_id = E.country_id
    WHERE E.country IN (
        SELECT E.country
        FROM customer B
        INNER JOIN address C ON B.address_id = C.address_id
        INNER JOIN city D ON C.city_id = D.city_id
        INNER JOIN country E ON D.country_id = E.country_id
        GROUP BY E.country
        ORDER BY COUNT(B.customer_id) DESC
        LIMIT 10)
    GROUP BY E. country, D.city
    ORDER BY COUNT(B.customer_id) DESC
    LIMIT 10)
GROUP BY B.customer_id, B.first_name, B.last_name, E.country, D.city
ORDER BY total_amount_paid DESC
LIMIT 5
```

	customer_id integer	first_name character varying (45)	last_name character varying (45)	country character varying (50)	city character varying (50)	total_amount_paid numeric
1	225	Arlene	Harvey	India	Ambattur	111.76
2	424	Kyle	Spurlock	China	Shanwei	109.71
3	240	Marlene	Welch	Japan	Iwaki	106.77
4	486	Glen	Talbert	Mexico	Acua	100.77
5	537	Clinton	Buford	United States	Aurora	98.76