

1. Get the names of all the actors in the movie 'Academy Dinosaur'. Include title, full name and last name as full name.

```
SELECT title,first_name || ' ' ||last_name AS full_name
FROM film
JOIN film_actor
ON film.film_id = film_actor.film_id
JOIN actor
ON actor.actor_id = film_actor.actor_id
WHERE title = 'Academy Dinosaur'
```

	title character varying (255) 🔒	full_name text 🔒
	Academy Dinosaur	PenelopeGuiness
	Academy Dinosaur	ChristianGable
	Academy Dinosaur	LucilleTracy
	Academy Dinosaur	SandraPeck
	Academy Dinosaur	JohnnyCage
	Academy Dinosaur	MenaTemple
	Academy Dinosaur	WarrenNolte
	Academy Dinosaur	OprahKilmer
	Academy Dinosaur	RockDukakis
	Academy Dinosaur	MaryKeitel

2. How many actors have played in the top 10 longest films each?

```
WITH Table_1 AS (SELECT title, film.length AS duration, first_name || ' ' || last_name AS full_name
FROM film
JOIN film_actor
ON film.film_id = film_actor.film_id
JOIN actor
ON actor.actor_id = film_actor.actor_id
ORDER BY duration DESC)

SELECT title, duration, COUNT(full_name) as no_of_actors FROM Table_1
GROUP BY title, duration
ORDER BY duration DESC
LIMIT 10
```

	title character varying (255)	duration smallint	no_of_actors bigint
1	Chicago North	185	8
2	Control Anthem	185	3
3	Dam Forrester	185	9
4	Gangs Pride	185	4
5	Home Pity	185	6
6	Muscle Bright	185	5
7	Pond Seattle	185	3
8	Soldiers Evolution	185	9
9	Sweet Brotherhood	185	6
10	Worst Banger	185	4

3. Who are the top 10 actors that have played in most of the films which have a duration > 150 mins?

```
WITH Table_1 AS (SELECT title, film.length AS duration, first_name || ' ' || last_name AS full_name
FROM film
JOIN film_actor
ON film.film_id = film_actor.film_id
JOIN actor
ON actor.actor_id = film_actor.actor_id
ORDER BY duration DESC)

SELECT COUNT(title) AS no_of_films, full_name FROM Table_1
WHERE duration > 150
GROUP BY full_name
ORDER BY no_of_films DESC
LIMIT 10
```

	no_of_films bigint	full_name text
1	16	Susan Davis
2	13	Mary Keitel
3	13	Uma Wood
4	13	Albert Johansson
5	13	Jayne Neeson
6	12	Matthew Carrey
7	12	Gregory Gooding
8	12	Michael Bolger
9	12	Helen Voight
10	12	Ray Johansson

4. Who are the top 10 customers who have rented the maximum number of movies?

```
SELECT first_name || ' ' || last_name as full_name, count(rental_id) as rental_count FROM rental
JOIN customer
ON rental.customer_id = customer.customer_id
GROUP BY rental.customer_id, full_name
ORDER BY rental_count DESC
LIMIT 10
```

	full_name text	rental_count bigint
1	Eleanor Hunt	46
2	Karl Seal	45
3	Clara Shaw	42
4	Marcia Dean	42
5	Tammy Sanders	41
6	Wesley Bull	40
7	Sue Peters	40
8	Rhonda Kennedy	39
9	Marion Snyder	39
10	Tim Cary	39

5. What are the top 10 most rented movies by genre and how much were paid for them?

```
SELECT category.name AS genre,  
COUNT(rental.rental_id) AS rental_count,  
SUM(payment.amount) AS total_amount  
FROM category  
INNER JOIN film_category ON category.category_id = film_category.category_id  
INNER JOIN inventory ON film_category.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 category.name  
ORDER BY rental_count DESC  
LIMIT 10
```

	genre character varying (25) 🔒	rental_count bigint 🔒	total_amount numeric 🔒
1	Sports	1081	4892.19
2	Animation	1065	4245.31
3	Action	1013	3951.84
4	Sci-Fi	998	4336.01
5	Family	988	3830.15
6	Foreign	953	3934.47
7	Drama	953	4118.46
8	Documentary	937	3749.65
9	Games	884	3922.18
10	New	864	3966.38

6. List the customers who have not returned more than 1 DVD?

```
SELECT customer.first_name || ' ' || customer.last_name, customer.email, COUNT(rental.rental_id)  
FROM rental  
INNER JOIN customer ON rental.customer_id=customer.customer_id  
WHERE return_date IS null  
GROUP BY rental.customer_id, customer.first_name, customer.last_name, customer.email  
HAVING COUNT(rental.rental_id)>1  
ORDER BY COUNT(rental.rental_id)
```

	?column? text	email character varying (50)	count bigint
1	Lucy Wheeler	lucy.wheeler@sakilacustomer.org	2
2	Margie Wade	margie.wade@sakilacustomer.org	2
3	Cathy Spencer	cathy.spencer@sakilacustomer.org	2
4	Cassandra Walt...	cassandra.walters@sakilacustomer....	2
5	Bill Gavin	bill.gavin@sakilacustomer.org	2
6	Allison Stanley	allison.stanley@sakilacustomer.org	2
7	Annette Olson	annette.olson@sakilacustomer.org	2
8	Sonia Gregory	sonia.gregory@sakilacustomer.org	2
9	Florence Woods	florence.woods@sakilacustomer.org	2
10	Helen Harris	helen.harris@sakilacustomer.org	2
11	Justin Ngo	justin.ngo@sakilacustomer.org	2
12	Miguel Betancou...	miguel.betancourt@sakilacustomer....	2
13	Natalie Meyer	natalie.meyer@sakilacustomer.org	2
14	Carolyn Perez	carolyn.perez@sakilacustomer.org	2
15	Heather Morris	heather.morris@sakilacustomer.org	2
16	Mildred Bailey	mildred.bailey@sakilacustomer.org	2
17	Morris Mccarter	morris.mccarter@sakilacustomer.org	2
18	Jordan Archuleta	jordan.archuleta@sakilacustomer.org	2
19	Elmer Noe	elmer.noe@sakilacustomer.org	2
20	Gail Knight	gail.knight@sakilacustomer.org	2
21	Lawrence Lawton	lawrence.lawton@sakilacustomer.org	2
22	Christine Roberts	christine.roberts@sakilacustomer.org	2
23	Tammy Sanders	tammy.sanders@sakilacustomer.org	3

7. Get the number of times, the top 10 movies which are available for rent have been rented and their total revenue.

```

SELECT title, COUNT(rental.rental_id) AS times_rented,
SUM(amount) AS total_amount
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.film_id
ORDER BY times_rented DESC, total_amount DESC
LIMIT 10

```

	title character varying (255) 🔒	times_rented bigint 🔒	total_amount numeric 🔒
1	Scalawag Duck	29	157.71
2	Shock Cabin	29	96.71
3	Juggler Hardly	29	86.71
4	Zorro Ark	28	199.72
5	Dogma Family	28	168.72
6	Apache Divine	28	160.72
7	Bucket Brotherhood	28	150.72
8	Ridgemont Submarine	28	110.72
9	Grit Clockwork	28	97.72
10	Rocketeer Mother	28	97.72