

Realizar las vistas de las consultas realizadas en el Ejercicio 4

a. Vista para las ventas totales por categoría de películas

Comando usado para la creacion de la vista:

```
CREATE VIEW vista_ventas_por_categoria AS
SELECT
    c.name AS categoria,
    SUM(p.amount) AS ventas_totales
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 f ON i.film_id = f.film_id
    JOIN film_category fc ON f.film_id = fc.film_id
    JOIN category c ON fc.category_id = c.category_id
GROUP BY
    c.name
ORDER BY
    ventas_totales DESC;
```

Captura de pantalla:

```

alquilerdvd=# CREATE VIEW vista_ventas_por_categoria AS
SELECT
    c.name AS categoria,
    SUM(p.amount) AS ventas_totales
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 f ON i.film_id = f.film_id
    JOIN film_category fc ON f.film_id = fc.film_id
    JOIN category c ON fc.category_id = c.category_id
GROUP BY
    c.name
ORDER BY
    ventas_totales DESC;
CREATE VIEW
alquilerdvd=# select * from vista_ventas_por_categoria;

```

categoria	ventas_totales
Sports	4892.19
Sci-Fi	4336.01
Animation	4245.31
Drama	4118.46
Comedy	4002.48
New	3966.38
Action	3951.84
Foreign	3934.47
Games	3922.18
Family	3830.15
Documentary	3749.65
Horror	3401.27
Classics	3353.38
Children	3309.39
Travel	3227.36
Music	3071.52

(16 rows)

b. Vista para las ventas totales por tienda

Comando usado para la creación de la vista:

```

CREATE VIEW ventas_totales_por_tienda AS
SELECT
    CONCAT(ci.city, ', ', co.country) AS ciudad_pais,
    CONCAT(s.first_name, ' ', s.last_name) AS encargado,
    SUM(p.amount) AS ventas_totales
FROM
    payment p
    JOIN rental r ON p.rental_id = r.rental_id
    JOIN inventory i ON r.inventory_id = i.inventory_id
    JOIN store st ON i.store_id = st.store_id

```

```

JOIN address a ON st.address_id = a.address_id
JOIN city ci ON a.city_id = ci.city_id
JOIN country co ON ci.country_id = co.country_id
JOIN staff s ON st.manager_staff_id = s.staff_id
GROUP BY
    ciudad_pais, encargado
ORDER BY
    ventas_totales DESC;

```

Captura de pantalla:

```

alquilerdvd=# CREATE VIEW ventas_totales_por_tienda AS
SELECT
    CONCAT(ci.city, ', ', co.country) AS ciudad_pais,
    CONCAT(s.first_name, ' ', s.last_name) AS encargado,
    SUM(p.amount) AS ventas_totales
FROM
    payment p
    JOIN rental r ON p.rental_id = r.rental_id
    JOIN inventory i ON r.inventory_id = i.inventory_id
    JOIN store st ON i.store_id = st.store_id
    JOIN address a ON st.address_id = a.address_id
    JOIN city ci ON a.city_id = ci.city_id
    JOIN country co ON ci.country_id = co.country_id
    JOIN staff s ON st.manager_staff_id = s.staff_id
GROUP BY
    ciudad_pais, encargado
ORDER BY
    ventas_totales DESC;
CREATE VIEW
alquilerdvd=# select * from ventas_totales_por_tienda;

```

ciudad_pais	encargado	ventas_totales
Woodridge, Australia	Jon Stephens	30683.13
Lethbridge, Canada	Mike Hillyer	30628.91

```

(2 rows)

```

c. Vista para la lista de películas con detalles y actores

Comando usado para la creación de la vista:

```

CREATE VIEW peliculas_detalle_actores AS
SELECT
    f.film_id AS identificador,
    f.title AS titulo,
    f.description AS descripcion,
    c.name AS categoria,
    f.rental_rate AS precio,
    f.length AS duracion,
    f.rating AS clasificacion,

```

```

        STRING_AGG(CONCAT(a.first_name, ' ', a.last_name), ', ') AS actores
FROM
    film f
    JOIN film_category fc ON f.film_id = fc.film_id
    JOIN category c ON fc.category_id = c.category_id
    JOIN film_actor fa ON f.film_id = fa.film_id
    JOIN actor a ON fa.actor_id = a.actor_id
GROUP BY
    f.film_id, f.title, f.description, c.name, f.rental_rate, f.length, f.rating
ORDER BY
    f.title;

```

Captura de pantalla:

```

alquilerdvd=# CREATE VIEW peliculas_detalle_actores AS
SELECT
    f.film_id AS identificador,
    f.title AS titulo,
    f.description AS descripcion,
    c.name AS categoria,
    f.rental_rate AS precio,
    f.length AS duracion,
    f.rating AS clasificacion,
    STRING_AGG(CONCAT(a.first_name, ' ', a.last_name), ', ') AS actores
FROM
    film f
    JOIN film_category fc ON f.film_id = fc.film_id
    JOIN category c ON fc.category_id = c.category_id
    JOIN film_actor fa ON f.film_id = fa.film_id
    JOIN actor a ON fa.actor_id = a.actor_id
GROUP BY
    f.film_id, f.title, f.description, c.name, f.rental_rate, f.length, f.rating
ORDER BY
    f.title;
CREATE VIEW
alquilerdvd=# select * from peliculas_detalle_actores;

```

d. Vista para información de actores con sus categorías y películas

Comando usado para la creación de la vista:

```

CREATE VIEW actores_categorias_peliculas AS
SELECT
    CONCAT(a.first_name, ' ', a.last_name) AS actor,
    c.name AS categoria,
    STRING_AGG(f.title, ', ') AS peliculas
FROM
    actor a
    JOIN film_actor fa ON a.actor_id = fa.actor_id
    JOIN film f ON fa.film_id = f.film_id
    JOIN film_category fc ON f.film_id = fc.film_id
    JOIN category c ON fc.category_id = c.category_id
GROUP BY

```

```
    actor, c.name  
ORDER BY  
    actor, c.name;
```

Captura de pantalla:

```
alquilerdvd=# CREATE VIEW actores_categorias_peliculas AS  
SELECT  
    CONCAT(a.first_name, ' ', a.last_name) AS actor,  
    c.name AS categoria,  
    STRING_AGG(f.title, ', ') AS peliculas  
FROM  
    actor a  
    JOIN film_actor fa ON a.actor_id = fa.actor_id  
    JOIN film f ON fa.film_id = f.film_id  
    JOIN film_category fc ON f.film_id = fc.film_id  
    JOIN category c ON fc.category_id = c.category_id  
GROUP BY  
    actor, c.name  
ORDER BY  
    actor, c.name;  
CREATE VIEW  
alquilerdvd=# select * from actores_categorias_peliculas;
```