

Realizar las siguientes consultas en la base de datos alquilerdvd:

- a) Obtenga las ventas totales por categoría de películas ordenadas descendientemente.

Comando utilizado para resolver la consulta:

```
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 la consulta:

```

alquilerdvd=#
alquilerdvd=# 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;

```

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) Obtenga las ventas totales por tienda, donde se refleje la ciudad, el país (concatenar la ciudad y el país empleando como separador la “,”), y el encargado. Pudiera emplear GROUP BY, ORDER BY

Comando utilizado para resolver la consulta:

```

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 la consulta:

```

alquilerdvd=# 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;

```

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

(2 rows)

- c) Obtenga una lista de películas, donde se reflejen el identificador, el título, descripción, categoría, el precio, la duración de la película, clasificación, nombre y apellidos de los actores (puede realizar una concatenación de ambos). Pudiera emplear GROUP BY

Comando usado para resolver la consulta:

```

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 la consulta:

identificador   uracion   clasificacion	titulo	descripcion	actores	categoria	precio   c
1   PG	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies	Rock Dukakis, Mary Keitel, Johnny Cape, Penelope Guinness, Sandra Peck, Christian Gable, Oprah Kilmer, Warren Nolte, Lucille Tracy, Mena Temple	Documentary	0.99
2   G	Ace Goldfinger	A Astounding Epistle of a Database Administrator And a Explorer who must Find a Car in Ancient China	Minnie Zellweger, Chris Depp, Bob Fawcett, Sean Guinness	Horror	4.99
3   NC-17	Adaptation Holes	A Astounding Reflection of a Lumberjack And a Car who must Sink a Lumberjack in A Baloon Factory	Cameron Streep, Bob Fawcett, Nick Wahlberg, Ray Johansson, Julianne Dench	Documentary	2.99
4   G	Affair Prejudice	A Fanciful Documentary of a Frisbee And a Lumberjack who must Chase a Monkey in A Shark Tank	Jodie Degeneres, Kenneth Pesci, Fay Winslet, Oprah Kilmer, Scarlett Damon	Horror	2.99
5   PG	African Egg	A Fast-Paced Documentary of a Pastry Chef And a Dentist who must Pursue a Forensic Psychologist in The Gulf of Mexico	Dustin Tautou, Matthew Leigh, Gary Phoenix, Matthew Carrey, Thora Temple	Family	2.99
6   PG	Agent Truman	A Intrepid Panorama of a Robot And a Boy who must Escape a Sumo Wrestler in Ancient China	Warren Nolte, Sandra Kilmer, Jayne Neeson, Morgan Williams, Kirsten Paltrow, Kenneth Hoffman, Reese West	Foreign	2.99
7   PG-13	Airplane Sierra	A Touching Saga of a Hunter And a Butler who must Discover a Butler in A Jet Boat	Mena Hopper, Jim Mostel, Michael Bolger, Oprah Kilmer, Richard Penn	Comedy	4.99
8   R	Airport Pollock	A Epic Tale of a Moose And a Girl who must Confront a Monkey in Ancient India	Lucille Dee, Susan Davis, Fay Kilmer, Gene Willis	Horror	4.99
9   PG-13	Alabama Devil	A Thoughtful Panorama of a Database Administrator And a Mad Scientist who must Outgun a Mad Scientist in A Jet Boat	William Hackman, Rip Crawford, Rip Winslet, Greta Keitel, Christian Gable, Mena Temple, Meryl Allen, Warren Nolte, Elvis Harx	Horror	2.99
10   NC-17	Aladdin Calendar	A Action-Packed Tale of a Man And a Lumberjack who must Reach a Feminist in Ancient China	Greta Malden, Rock Dukakis, Ray Johansson, Renee Tracy, Val Bolger, Judy Dean, Jada Ryder, Alec Wayne	Sports	4.99
11   G	Alamo Videotape	A Boring Epistle of a Butler And a Cat who must Fight a Pastry Chef in A MySQL Convention	Michael Bening, Johnny Cape, Scarlett Damon, Sean Guinness	Foreign	0.99
12   PG	Alaska Phantom	A Fanciful Saga of a Hunter And a Pastry Chef who must Vanquish a Boy in Australia	Val Bolger, Burt Posey, Gene McKellen, Jeff Silverstone, Sylvester Dern, Albert Johansson, Sidney Crowe	Music	0.99
13   PG	Ali Forever	A Action-Packed Drama of a Dentist And a Crocodile who must Battle a Feminist in The Canadian Rockies	Christopher Berry, Kenneth Toro, Gary McConaughy, Jon Chase, Morgan Mcdoonand	Horror	4.99
14   NC-17	Alice Fantasia	A Emotional Drama of a A Shark And a Database Administrator who must Vanquish a Pioneer in Soviet Georgia	Woody Hoffman, Rock Dukakis, Minnie Zellweger, Morgan Williams	Classics	0.99
15   PG	Alien Center	A Brilliant Drama of a Cat And a Mad Scientist who must Battle a Feminist in A MySQL Convention	Sidney Crowe, Kenneth Paltrow, Humphrey Willis, Renee Tracy, Burt Dukakis, Mena Hopper	Foreign	2.99
16   NC-17	Alley Evolution	A Fast-Paced Drama of a Robot And a Composer who must Battle a Astronaut in New Orleans		Foreign	2.99

- d) Obtenga la información de los actores, donde se incluya sus nombres y apellidos, las categorías y sus películas. Los actores deben de estar agrupados y, las categorías y las películas deben estar concatenados por “.”

Comando usado para resolver la consulta:

```

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 la consulta:

actor	categoria	peliculas
Adam Grant	Action	Midnight Westward
Adam Grant	Children	Idols Snatchers, Twisted Pirates, Splendor Patton
Adam Grant	Classics	Tadpole Park
Adam Grant	Comedy	Fireball Philadelphia, Operation Operation, Groundhog Uncut
Adam Grant	Family	Gladiator Westward
Adam Grant	Foreign	Happiness United, Ballroom Mockingbird
Adam Grant	Games	Wanda Chamber, Glory Tracy, Mars Roman
Adam Grant	Sci-Fi	Annie Identity
Adam Grant	Sports	Seabiscuit Punk, Loser Hustler
Adam Grant	Travel	Disciple Mother
Adam Hopper	Action	Mockingbird Hollywood, Clueless Bucket
Adam Hopper	Children	Noon Papi
Adam Hopper	Classics	Towers Hurricane
Adam Hopper	Comedy	Saddle Antitrust, Heaven Freedom
Adam Hopper	Documentary	Clerks Angels, Princess Giant
Adam Hopper	Drama	Torque Bound
Adam Hopper	Family	Blood Argonauts, Gables Metropolis, Grease Youth
Adam Hopper	Foreign	Fiction Christmas
Adam Hopper	Horror	Train Bunch
Adam Hopper	Music	Words Hunter, Masked Bubble, Chamber Italian
Adam Hopper	New	Sleepy Japanese, Loverboy Attacks
Adam Hopper	Sci-Fi	Open African, Blindness Gun, Vacation Boondock
Adam Hopper	Action	Park Citizen, Drifter Commandments, Glass Dying, Grail Frankenstein, Handicap Boondock
Al Garland	Animation	Oscar Gold, Potter Connecticut
Al Garland	Children	Splendor Patton
Al Garland	Classics	Wasteland Divine
Al Garland	Documentary	Bill Others
Al Garland	Drama	Dalmations Sweden, Jacket Frisco, Chitty Lock
Al Garland	Family	Splash Gump, House Dynamite
Al Garland	Foreign	Vision Torque, Holiday Games, Muppet Mile
Al Garland	Games	Sleuth Orient
Al Garland	Horror	Rock Instinct
Al Garland	New	Breakfast Goldfinger, Voice Peach
Al Garland	Sci-Fi	Silverado Goldfinger
Al Garland	Sports	Sense Greeke, Slipper Fidelity