

1. Listar todos los clientes y su información de contacto.

```
mysql> SELECT customer_id,first_name,last_name,email,address,phone FROM customer JOIN customer_list ON customer.customer_id=customer_list.ID;
```

customer_id	first_name	last_name	email	address	phone
218	VERA	MCCOY	VERA.MCCOY@sakilacustomer.org	1168 Najafabad Parkway	886649065861
441	MARIO	CHEATHAM	MARIO.CHEATHAM@sakilacustomer.org	1924 Shimonoseki Drive	406784385440
69	JUDY	GRAY	JUDY.GRAY@sakilacustomer.org	1031 Daugavpils Parkway	107137400143
176	JUNE	CARROLL	JUNE.CARROLL@sakilacustomer.org	757 Rustenburg Avenue	506134035434
406	NATHAN	RUNYON	NATHAN.RUNYON@sakilacustomer.org	264 Bhimavaram Manor	302526949177
210	ELLA	OLIVER	ELLA.OLIVER@sakilacustomer.org	751 Lima Loop	756460337785
470	GORDON	ALLARD	GORDON.ALLARD@sakilacustomer.org	434 Ourense (Orense) Manor	562370137426
303	WILLIAM	SATTERFIELD	WILLIAM.SATTERFIELD@sakilacustomer.org	687 Alessandria Parkway	407218522294
213	GINA	WILLIAMSON	GINA.WILLIAMSON@sakilacustomer.org	1001 Miyakonojo Lane	584316724815
7	MARIA	MILLER	MARIA.MILLER@sakilacustomer.org	900 Santiago de Compostela Parkway	716571220373
553	MAX	PITT	MAX.PITT@sakilacustomer.org	1917 Kumbakonam Parkway	698182547686
438	BARRY	LOVELACE	BARRY.LOVELACE@sakilacustomer.org	1836 Korla Parkway	689681677428

599 rows in set (0.01 sec)

2. Mostrar todas las películas con una duración mayor a 120 minutos.

```
mysql> SELECT * FROM film WHERE length > 120;
```

film_id	title	description	length	replacement_cost	rating	special_features	last_update	release_year	language_id	orig
5	AFRICAN EGG	A Fast-Paced Documentary of a Pastry Chef And a Dentist who must Pursue a Forensic Psychologist in The Gulf of Mexico	130	22.99	G	Deleted Scenes	2006-02-15 05:03:42	2006	1	
6	AGENT TRUMAN	A Intrepid Panorama of a Robot And a Boy who must Escape a Sumo Wrestler in Ancient China	169	2.99	PG	Deleted Scenes	2006-02-15 05:03:42	2006	1	
11	ALAMO VIDEOTAPE	A Boring Epistle of a Butler And a Cat who must Fight a Pastry Chef in A MySQL Convention	126	0.99	G	Commentaries,Behind the Scenes	2006-02-15 05:03:42	2006	1	
12	ALASKA PHANTOM	A Fanciful Saga of a Hunter And a Pastry Chef who must Vanquish a Boy in Australia	136	0.99	PG	Commentaries,Deleted Scenes	2006-02-15 05:03:42	2006	1	
990	WORLD LEATHERNECKS	An Unbelievable Tale of a Pioneer And a Astronaut who must Overcome a Robot in An Abandoned Amusement Park	171	0.99	PG-13	Trailers,Behind the Scenes	2006-02-15 05:03:42	2006	1	
991	WORST BANGER	A Thrilling Drama of a Madman And a Dentist who must Conquer a Boy in The Outback	185	2.99	PG	Deleted Scenes,Behind the Scenes	2006-02-15 05:03:42	2006	1	
992	WRATH MILE	A Intrepid Reflection of a Technical Writer And a Hunter who must Defeat a Sumo Wrestler in A Monastery	176	0.99	NC-17	Trailers,Commentaries	2006-02-15 05:03:42	2006	1	
993	WRONG BEHAVIOR	A Emotional Saga of a Crocodile And a Sumo Wrestler who must Discover a Mad Cow in New Orleans	178	2.99	PG-13	Trailers,Behind the Scenes	2006-02-15 05:03:42	2006	1	
996	YOUNG LANGUAGE	An Unbelievable Yarn of a Boat And a Database Administrator who must Meet a Boy in The First Manned Space Station	183	0.99	G	Trailers,Behind the Scenes	2006-02-15 05:03:42	2006	1	
997	YOUTH KICK	A Touching Drama of a Teacher And a Cat who must Challenge a Technical Writer in A U-Boat	179	0.99	NC-17	Trailers,Behind the Scenes	2006-02-15 05:03:42	2006	1	

457 rows in set (0.00 sec)

3. Encontrar todos los empleados que son gerentes de tienda.

```
mysql> SELECT staff_id,first_name,last_name,manager_staff_id FROM staff JOIN store WHERE staff.staff_id = store.manager_staff_id;
```

staff_id	first_name	last_name	manager_staff_id
1	Mike	Hillyer	1
2	Jon	Stephens	2

2 rows in set (0.00 sec)

4. Listar los clientes que han alquilado más de 10 películas.

```
mysql> SELECT customer.customer_id, customer.first_name, customer.last_name, COUNT(rental.customer_id) FROM customer INNER JOIN rental ON customer.customer_id = rental.customer_id GROUP BY rental.customer_id;
```

customer_id	first_name	last_name	COUNT(rental.customer_id)
1	MARY	SMITH	32
2	PATRICIA	JOHNSON	27
3	LINDA	WILLIAMS	26
4	BARBARA	JONES	22
5	ELIZABETH	BROWN	20
593	RENE	MCALISTER	26
594	EDUARDO	HIATT	27
595	TERRENCE	GUNDERSON	30
596	ENRIQUE	FORSYTHE	28
597	FREDOIE	DUGAN	25
598	MADE	DELVALLE	22
599	AUSTIN	CINTRON	19

599 rows in set (0.01 sec)

5. Mostrar las 5 películas más populares basadas en el número de alquileres.

```
mysql> SELECT f.film_id, f.title, COUNT(*) AS cantidad FROM rental JOIN inventory ON rental.inventory_id=inventory.inventory_id JOIN film f ON inventory.film_id = f.film_id GROUP BY f.film_id ORDER BY cantidad DESC LIMIT 5;
```

film_id	title	cantidad
103	BUCKET BROTHERHOOD	34
738	ROCKETEER MOTHER	33
331	FORWARD TEMPLE	32
382	GRIT CLOCKWORK	32
489	JUGGLER HARDLY	32

5 rows in set (0.01 sec)

6. Encontrar todas las tiendas y el número de empleados en cada una.

```
mysql> SELECT s.store_id, COUNT(*) FROM store s JOIN staff sta ON s.store_id=sta.store_id GROUP BY s.store_id;
```

store_id	COUNT(*)
1	1
2	1

2 rows in set (0.00 sec)

7. Listar todas las películas que no han sido alquiladas nunca.

```
mysql> SELECT f.film_id, f.title FROM film f LEFT JOIN inventory
-> ON f.film_id = inventory.film_id
-> WHERE inventory.film_id is NULL;
```

film_id	title
14	ALICE FANTASIA
33	APOLLO TEEN
36	ARGONAUTS TOWN
38	ARK RIDGEMONT
41	ARSENIC INDEPENDENCE
87	BOONDOCK BALLROOM
108	BUTCH PANTHER
128	CATCH AMISTAD
144	CHINATOWN GLADIATOR
148	CHOCOLATE DUCK
171	COMMANDMENTS EXPRESS
801	SISTER FREDDY
802	SKY MIRACLE
860	SUICIDES SILENCE
874	TADPOLE PARK
909	TREASURE COMMAND
943	VILLAIN DESPERATE
950	VOLUME HOUSE
954	WAKE JAWS
955	WALLS ARTIST

42 rows in set (0.01 sec)

8. Mostrar los 10 clientes que más gastaron en alquileres.

```
mysql> SELECT c.first_name, c.last_name, SUM(p.amount) AS cantidad
-> FROM customer c JOIN payment p
-> ON c.customer_id = p.customer_id
-> GROUP BY c.customer_id
-> ORDER BY cantidad DESC LIMIT 10;
```

first_name	last_name	cantidad
KARL	SEAL	221.55
ELEANOR	HUNT	216.54
CLARA	SHAW	195.58
MARION	SNYDER	194.61
RHONDA	KENNEDY	194.61
TOMMY	COLLAZO	186.62
WESLEY	BULL	177.60
TIM	CARY	175.61
MARCIA	DEAN	175.58
ANA	BRADLEY	174.66

10 rows in set (0.04 sec)

9. Encontrar las películas alquiladas en un rango de fechas específico.

```
mysql> SELECT f.film_id, f.title, r.rental_date FROM film f JOIN inventory i
-> ON f.film_id = i.film_id
-> JOIN rental r
-> ON i.inventory_id = r.inventory_id
-> WHERE r.rental_date BETWEEN '2005-06-20' AND '2005-06-21';
```

film_id	title	rental_date
235	DIVIDE MONSTER	2005-06-20 00:00:52
344	FURY MURDER	2005-06-20 00:00:55
596	MOONSHINE CABIN	2005-06-20 00:01:36
19	AMADEUS HOLY	2005-06-20 00:08:38
269	EARRING INSTINCT	2005-06-20 00:08:58
294	EXPECATIONS NATURAL	2005-06-20 00:09:25
48	BACKLASH UNDEFEATED	2005-06-20 00:17:46
377	GREASE YOUTH	2005-06-20 00:27:49
827	SPICE SORORITY	2005-06-20 00:38:21
730	RIDGEMONT SUBMARINE	2005-06-20 00:41:25
73	BINGO TALENTED	2005-06-20 00:42:26
131	CENTER DINOSAUR	2005-06-20 22:58:01
702	PULP BEVERLY	2005-06-20 23:04:20
949	VOLCANO TEXAS	2005-06-20 23:06:07
541	LUKE MUMMY	2005-06-20 23:10:27
329	FORREST SONS	2005-06-20 23:19:33
78	BLACKOUT PRIVATE	2005-06-20 23:27:15
949	VOLCANO TEXAS	2005-06-20 23:46:39
812	SMOKING BARBARELLA	2005-06-20 23:49:12
697	PRIMARY GLASS	2005-06-20 23:52:30
398	HANOVER GALAXY	2005-06-20 23:59:57

10. Listar los actores que no han participado en ninguna película.

```
mysql> SELECT a.first_name, a.last_name, f.title FROM actor a JOIN film_actor fa
-> ON a.actor_id = fa.actor_id
-> JOIN film f
-> ON fa.film_id = f.film_id
-> WHERE fa.actor_id IS NULL
-> ;
Empty set (0.00 sec)
```

11. Mostrar los géneros de películas con el menor número de títulos en el inventario.

```
mysql> SELECT fc.category_id, c.name, COUNT(fc.film_id) as cantidad
-> FROM inventory i JOIN film_category fc
-> ON i.film_id = fc.film_id
-> JOIN category c
-> ON fc.category_id = c.category_id
-> GROUP BY fc.category_id
-> ORDER BY cantidad ASC;
```

category_id	name	cantidad
12	Music	232
16	Travel	235
11	Horror	248
5	Comedy	269
3	Children	269
4	Classics	270
13	New	275
10	Games	276
6	Documentary	294
9	Foreign	300
7	Drama	300
8	Family	310
14	Sci-Fi	312
1	Action	312
2	Animation	335
15	Sports	344

16 rows in set (0.01 sec)

12. Encontrar los clientes que tienen alquileres atrasados actualmente

```
mysql> SELECT c.first_name, c.last_name, COUNT(*)
-> FROM customer c JOIN rental r
-> ON C.customer_id = r.customer_id
-> WHERE r.return_date IS NULL
-> GROUP BY r.customer_id;
```

first_name	last_name	COUNT(*)
ELIZABETH	BROWN	1
MARGARET	MOORE	1
LISA	ANDERSON	1
BETTY	WHITE	1
HELEN	HARRIS	2
MICHELLE	CLARK	1
LAURA	RODRIGUEZ	1
SARAH	LEWIS	1
CYNTHIA	YOUNG	1
ANGELA	HERNANDEZ	1
ANNA	HILL	1
STEPHANIE	MITCHELL	1
ALBERTO	HENNING	1
IVAN	CROMWELL	1
MORRIS	MCCARTER	2
DARYL	LARUE	1
ANDY	VANHORN	1
PERRY	SWAFFORD	1
SERGIO	STANFIELD	1
SETH	HANNON	1
TERRANCE	ROUSH	1
ENRIQUE	FORSYTHE	1
FREDDIE	DUGGAN	1

159 rows in set (0.02 sec)