SAKILA II

1. Get all the list of customers.

```sql
SELECT * FROM customer;
```

2. Get all the list of customers as well as their address.

```sql
SELECT CONCAT(customer.first_name,' ', customer.last_name) AS customer_name, address.address
FROM customer
LEFT JOIN address
ON customer.address_id = address.address_id;
```

3. Get all the list of customers as well as their address and the city name.

```sql
SELECT CONCAT(customer.first_name,' ', customer.last_name) AS customer_name, address.address, city.city
FROM customer
LEFT JOIN address
ON customer.address_id = address.address_id
LEFT JOIN city
ON address.city_id = city.city_id;
```

4. Get all the list of customers as well as their address, city name, and the country.

```sql
SELECT CONCAT(customer.first_name,' ', customer.last_name) AS customer_name, address.address, city.city, country.country
FROM customer
LEFT JOIN address
ON customer.address_id = address.address_id
LEFT JOIN city
ON address.city_id = city.city_id
LEFT JOIN country
ON city.country_id = country.country_id;
```

5. Get all the list of customers who live in Bolivia

```sql
SELECT CONCAT(customer.first_name,' ', customer.last_name) AS customer_name, address.address, city.city, country.country
FROM customer
LEFT JOIN address
ON customer.address_id = address.address_id
LEFT JOIN city
ON address.city_id = city.city_id
LEFT JOIN country
ON city.country_id = country.country_id
WHERE country.country='Bolivia';
```

6. Get all the list of customers who live in Bolivia, Germany, and Greece.

```sql
SELECT CONCAT(customer.first_name,' ', customer.last_name) AS customer_name, address.address, city.city, country.country
FROM customer
LEFT JOIN address
ON customer.address_id = address.address_id
LEFT JOIN city
ON address.city_id = city.city_id
LEFT JOIN country
ON city.country_id = country.country_id
WHERE country.country IN ('Bolivia', 'Germany', 'Greece');
```

7. Get all the list of customers who live in the city of Baku.

```sql
SELECT CONCAT(customer.first_name,' ', customer.last_name) AS customer_name, address.address, city.city, country.country
FROM customer
LEFT JOIN address
ON customer.address_id = address.address_id
LEFT JOIN city
ON address.city_id = city.city_id
LEFT JOIN country
ON city.country_id = country.country_id
WHERE city.city = 'Baku';
```

8. Get all the list of customers who live in the city of Baku, Beira, and Bergamo.

```sql
SELECT CONCAT(customer.first_name,' ', customer.last_name) AS customer_name, address.address, city.city, country.country
FROM customer
LEFT JOIN address
ON customer.address_id = address.address_id
LEFT JOIN city
ON address.city_id = city.city_id
LEFT JOIN country
ON city.country_id = country.country_id
WHERE city.city IN ('Baku', 'Beira', 'Bergamo');
```

9. Get all the list of customers who live in a country where the country name's length is less than 5. Show the customer with the longest full name first. (Hint: Look into how you can concatenate a string in SQL).

```sql
SELECT CONCAT(customer.first_name,' ', customer.last_name) AS customer_name, country.country, char_length(country.country) AS country_name_length
FROM customer
LEFT JOIN address
ON customer.address_id = address.address_id
LEFT JOIN city
ON address.city_id = city.city_id
LEFT JOIN country
ON city.country_id = country.country_id
WHERE char_length(country.country) < 5
ORDER BY char_length(customer_name) DESC;
```

10. Get all the list of customers who live in a city name whose length is more than 10. Order the result so that the customers who live in the same country are shown together.

```sql
SELECT CONCAT(customer.first_name,' ', customer.last_name) AS customer_name, country.country, city.city, char_length(city.city) AS city_name_length
FROM customer
LEFT JOIN address
ON customer.address_id = address.address_id
LEFT JOIN city
ON address.city_id = city.city_id
LEFT JOIN country
ON city.country_id = country.country_id
WHERE char_length(city.city) > 10
ORDER BY country.country;
```

11. Get all the list of customers who live in a city where the city name includes the word 'ba'. For example, Arratuba or Baiyin should show up in your result.

```sql
SELECT CONCAT(customer.first_name,' ', customer.last_name) AS customer_name, city.city
FROM customer
LEFT JOIN address
ON customer.address_id = address.address_id
LEFT JOIN city
ON address.city_id = city.city_id
LEFT JOIN country
ON city.country_id = country.country_id
WHERE city.city LIKE '%ba%';
```

12. Get all the list of customers where the city name includes a space. Order the result so that customers who live in the longest city are shown first.

```sql
SELECT CONCAT(customer.first_name,' ', customer.last_name) AS customer_name, city.city, char_length(city.city) AS city_name_length
FROM customer
LEFT JOIN address
ON customer.address_id = address.address_id
LEFT JOIN city
ON address.city_id = city.city_id
LEFT JOIN country
ON city.country_id = country.country_id
WHERE city.city LIKE '% %'
ORDER BY char_length(city.city) DESC;
```

13. Get all the customers where the country name is longer than the city name.

```sql
SELECT CONCAT(customer.first_name,' ', customer.last_name) AS customer_name, city.city, country.country, char_length(city.city) AS city_name_length, char_length(country.country) AS country_name_length
FROM customer
LEFT JOIN address
ON customer.address_id = address.address_id
LEFT JOIN city
ON address.city_id = city.city_id
LEFT JOIN country
ON city.country_id = country.country_id
WHERE char_length(country.country) > char_length(city.city)
ORDER BY char_length(city.city);
```