**-SQL Queries-**

1. **How many customers does the store have?**

SELECT COUNT(customer\_id)

AS “Store\_customer”

FROM customers;

1. **The top sold products and least sold products over a week.**

/\*\* TOP SOLD \*\*/

SELECT \* FROM

(SELECT album.album\_id, album.album\_name, album.album\_language, orders.order\_date,

SUM(order\_item.order\_quantity) AS ‘total\_q’

FROM album

INNER JOIN order\_item ON album.album\_id = order\_item.album\_album\_id

INNER JOIN orders ON order\_item.order\_order\_id = orders.order\_id

WHERE orders.order\_date

BETWEEN ’2019-01-01’ AND ‘2019-04-13’

GROUP BY album.album\_id

)

AS table1 ORDER BY total\_q DESC

LIMIT 1;

/\*\* Least Sold \*\*/

Select \* FROM

(

SELECT album.album\_id, album.album\_name, album.album\_language, orders.order\_date,

SUM(order\_item.item\_quantity) AS 'total\_q'

FROM album

INNER JOIN order\_item ON album.album\_id = order\_item.album\_album\_id

INNER JOIN orders ON order\_item.order\_order\_id = orders.order\_id

WHERE orders.order\_date BETWEEN '2019-01-01' AND '2019-04-13'

GROUP BY album.album\_id

)

AS table1

ORDER BY total\_q

LIMIT 1;

1. **The average price of products in the same category (for example, rock, pop, country, hip-hop).**

SELECT genre\_id, genre\_type,

AVG(album\_price) AS "avg\_price"

FROM genre

INNER JOIN album ON genre.genre\_id = album.genre\_genre\_id

GROUP BY  genre\_id;

1. **List customers by surname, date of birth and then sort them.**

SELECT customer\_lastname, customer\_DOB

FROM customers

ORDER BY customer\_lastname;

1. **Clients that bought an average of four products in the last month.**

Select customer\_fullname, total\_items

FROM

(

SELECT

CONCAT(customer\_firstname," ",customer\_lastname)

AS customer\_fullname,

SUM(order\_item.item\_quantity) AS 'total\_items'

FROM customers

INNER JOIN orders ON customers.customer\_id = orders.customers\_customer\_id

INNER JOIN order\_item ON orders.order\_id = order\_item.order\_order\_id

WHERE order\_date BETWEEN '2019-03-12' AND '2019-04-13' GROUP BY customer\_fullname

)

AS Table1

WHERE Table1.total\_items > 4;

1. **List how many distinct albums each singer has.**

SELECT artist\_id, album\_name, album\_id,artist\_name

FROM artist INNER JOIN album

ON artist.artist\_id = album.artist\_artist\_id

ORDER BY artist\_id;

1. **List how many copies of an album are available of a particular singer.**

SELECT album\_name, album\_album\_id,

SUM(inventory.album\_quantity) AS 'total\_available\_quantity'

FROM album INNER JOIN inventory

ON album.album\_id = inventory.album\_album\_id

WHERE inventory.album\_quantity > 0

GROUP BY album\_album\_id;