

DIGITAL MEDIA STORE ANALYSIS

### OBISCONE





The purpose of the analysis is to gain insights into the operations and performance of the digital media store modeled by the Chinook database. By analyzing sales data, customer behavior, and product performance, we aim to identify trends, patterns, and opportunities for optimization.

This analysis will help stakeholders make informed decisions to improve sales, enhance customer satisfaction, and drive business growth.

#### LEVEL OF QUERES



EASYIncludes: Select,
Group By, Order
By, Limit,
Desc/Asc

**MODERATE-**

Includes: Joins,
Order By, Group
By, Limits.

**ADVANCE-**

Includes:

CTE(Common

Table

**Expression**)



**EASY** 

## Select all columns from the ustomers table:

# SELECT \* FROM customer;





	CustomerId	FirstName	LastName	Company	Address	City
)	1	Luís	Gonçalves	Embraer - Empresa Brasileira de Aeronáutica S.A.	Av. Brigadeiro Faria Lima, 2170	São José do
	2	Leonie	Köhler	HULL	Theodor-Heuss-Straße 34	Stuttgart
	3	François	Tremblay	NULL	1498 rue Bélanger	Montréal
	4	Bjørn	Hansen	NULL	Ullevålsveien 14	Oslo

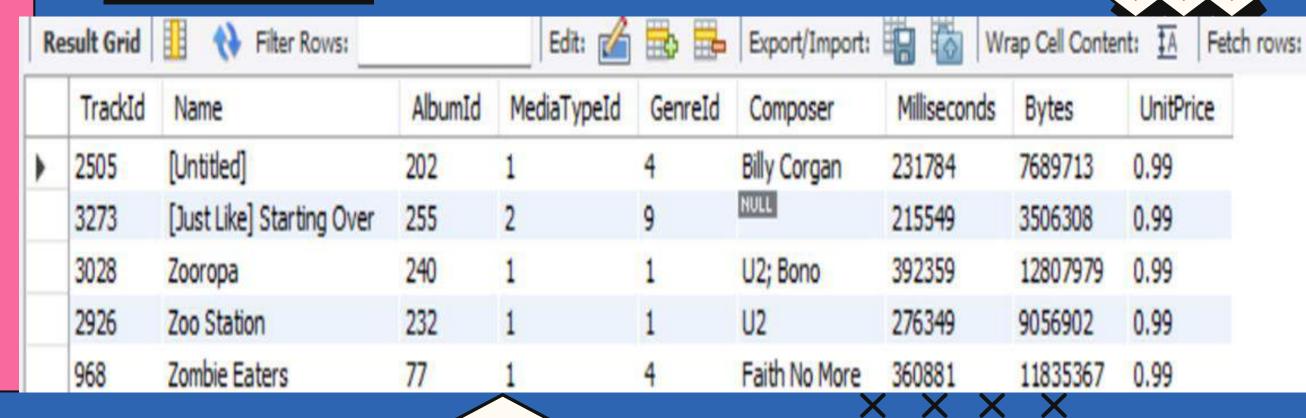
**EASY** 

Select the first
5 rows from the
tracks table,
ordered by
track name in
descending
order:

SELECT \* FROM track
ORDER BY Name DESC
LIMIT 5;







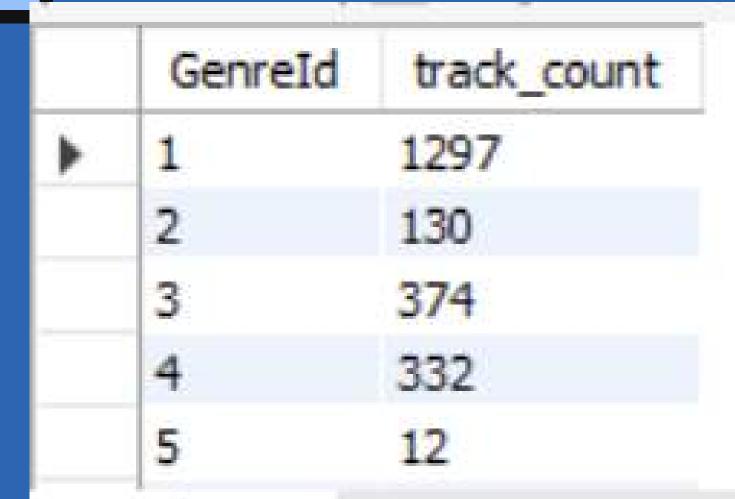
**EASY** 

Count the number of tracks in each genre, ordered by genre name in ascending order:

SELECT GenreId, COUNT(\*)
AS track\_count FROM track
GROUP BY GenreId
ORDER BY GenreId ASC;

Output







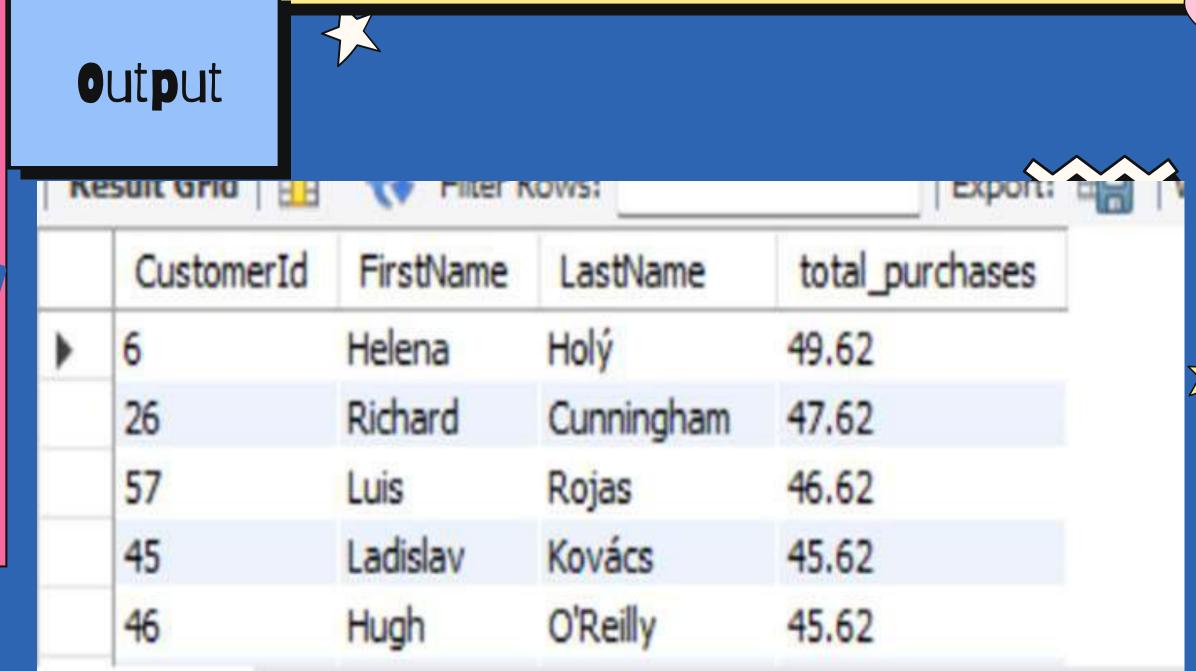


#### MODERATE

List customers who have made purchases, along with their total purchases amount, ordered by total amount in descending order

SELECT c.CustomerId, c.FirstName, c.LastName, SUM(i.Total) AS total\_purchases
FROM customer c

INNER JOIN invoice i ON c.CustomerId = i.CustomerId
GROUP BY c.CustomerId, c.FirstName, c.LastName
ORDER BY total\_purchases DESC;



#### **MODERATE**

Show the top 10 tracks by the number of times they have been purchased, along with their genre, ordered by number of purchases in descending order

SELECT t.Name AS track\_name, g.Name AS genre, COUNT(\*)

AS purchase\_count

FROM track t

INNER JOIN invoiceline i ON t.TrackId = i.TrackId

INNER JOIN invoicetine FON t. Frackid = 1. Frackid

INNER JOIN genre g ON t.GenreId = g.GenreId

GROUP BY t.TrackId, t.Name, g.Name

ORDER BY purchase\_count DESC

LIMIT 10;



Re	esult Grid	Export	Wrap Cell Content:
	track_name	genre	purchase_count
•	String Quartet No. 12 in C Minor, D. 703 "Quart	Classical	2
	Balls to the Wall	Rock	2
	Welcome Home (Sanitarium)	Metal	2
	Not The Doctor	Rock	2
	Cornucopia	Metal	2

#### **MODERATE**

Find the customer from the USA who has spent the most on purchases

SELECT c.FirstName, c.LastName, c.Country,
SUM(i.total) AS total\_spent
FROM customer c
INNER JOIN invoice i ON c.CustomerId = i.CustomerId
WHERE c.Country = 'USA'
GROUP BY c.FirstName, c.LastName, c.Country
ORDER BY total\_spent DESC
LIMIT 1;

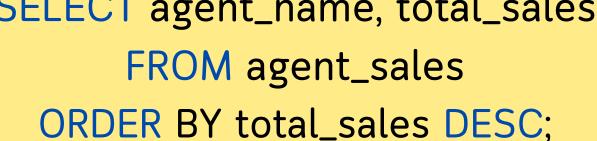
Output

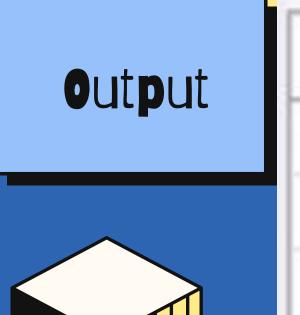
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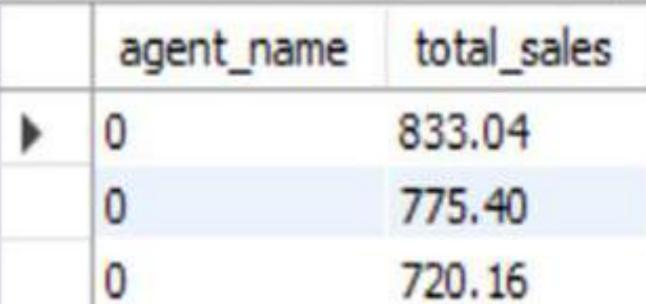
#### ADVANCE

Calculate the total revenue generated by each employee in the Sales Support Agent role, ordered by total revenue in descending order

```
WITH agent_sales AS (
SELECT e.EmployeeId, e.FirstName || ' ' || e.LastName AS
      agent_name, SUM(i.Total) AS total_sales
                  FROM employee e
      INNER JOIN customer c ON e.EmployeeId =
                  c.SupportRepId
 INNER JOIN invoice i ON c.CustomerId = i.CustomerId
        GROUP BY e.employeeId, agent_name
          SELECT agent_name, total_sales
                FROM agent_sales
```



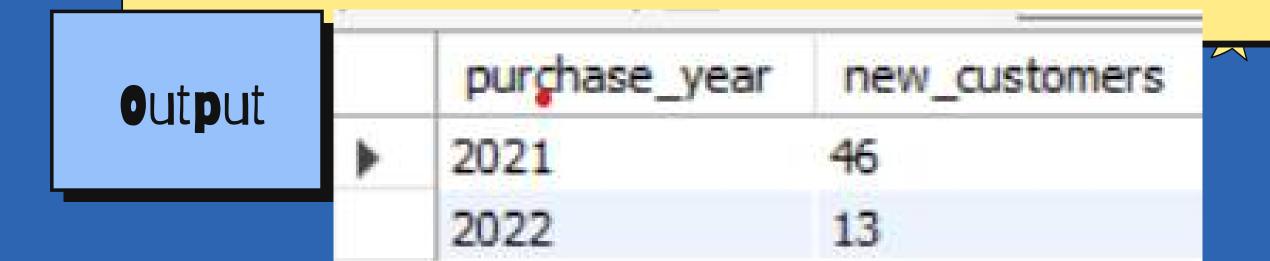




#### ADVANCE

Find the number of customers who made their first purchase in each year, ordered by year in ascending order

```
WITH first_purchase_year AS (
   SELECT customer_id, MIN(invoice_date) AS
               first_purchase
                FROM invoices
            GROUP BY customer_id
SELECT YEAR(first_purchase) AS purchase_year,
        COUNT(*) AS new_customers
          FROM first_purchase_year
          GROUP BY purchase_year
        ORDER BY purchase_year ASC;
```



## THANK YOU!