SQL Queries

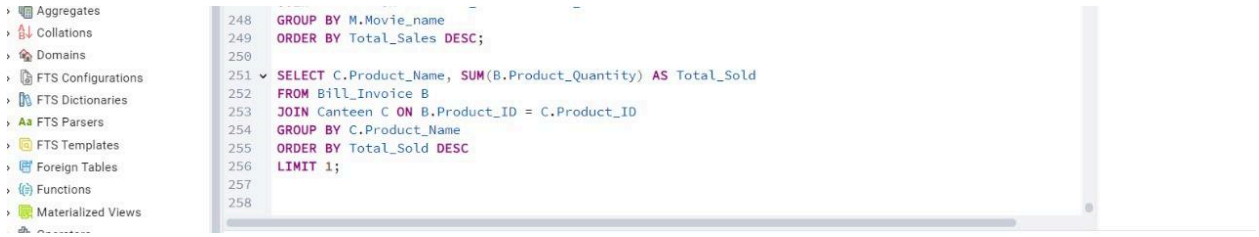
1. Top Movies Based on Total Ticket Sales:
This query will calculate the total ticket sales for each movie based on the Ticket_Window table. It then sorts the movies in descending order of ticket sales.

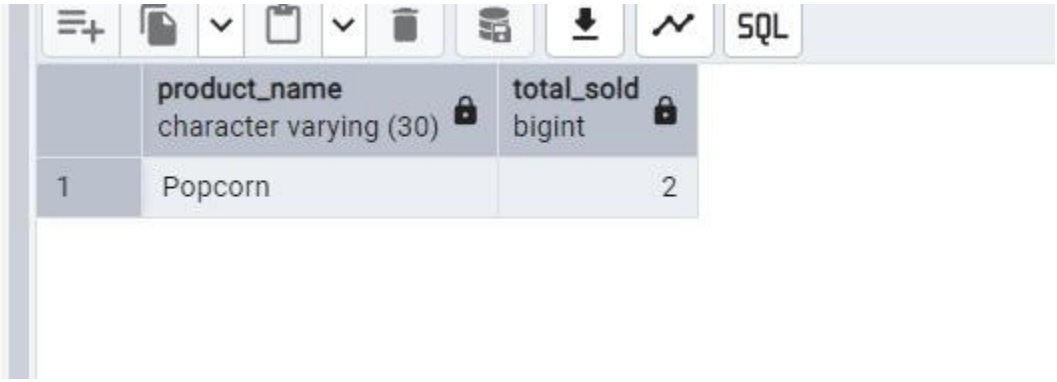
Data Output | Messages | Notifications

SQL

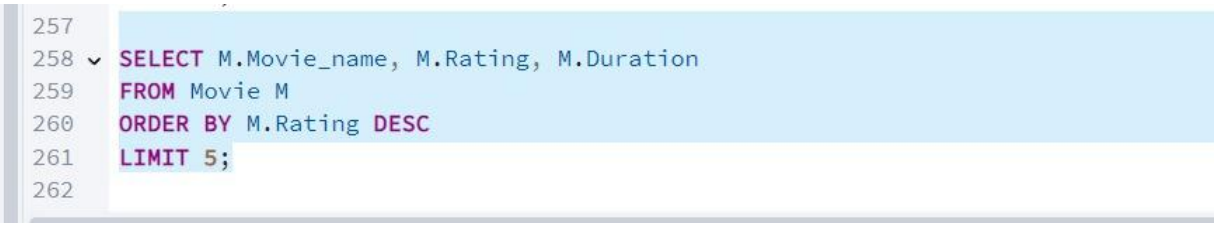
	movie_name character varying (30)	total_sales double precision
1	Interstellar	520
2	The Dark Knight	500
3	The Godfather	500
4	Dune	480
5	Parasite	460
6	Joker	440
7	Titanic	400
8	Inception	360
9	The Lion King	360
10	Frozen	300
11	Avengers: Endgame	250
12	Coco	150

2. Canteen Product with the Most Sales (by Quantity):
This query calculates the product with the most sales by quantity from the Bill_Invoice and Canteen tables.





3. Top 5 Movies With Highest Ratings and Their Duration:
This query will display the top 5 highest-rated movies along with their durations.



Data Output | Messages | Notifications

	movie_name character varying (30)	rating numeric	duration integer
1	Avengers: Endgame	9.5	181
2	The Godfather	9.2	175
3	The Dark Knight	9.1	152
4	Inception	9.0	148
5	Coco	9.0	105

4. Average Ticket Price for Each Screen:
This query calculates the average ticket price for each screen.

```
260  ORDER BY M.Rating DESC
261  LIMIT 5;
262  SELECT S.Screen_Name, AVG(TW.Ticket_Amount) AS Average_Ticket_Price
263  FROM Ticket_Window TW
264  JOIN Screen S ON TW.Screen_No = S.Screen_No
265  GROUP BY S.Screen_Name;
266
267
```

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SQL

	screen_name character varying (30)	average_ticket_price double precision
1	sky View	235
2	Ocean View	220
3	Kids Corner	162
4	Main Hall	254
5	Dream Zone	205

5. Seats Occupancy Rate per Screen:
This query will calculate the seat occupancy rate per screen by comparing the total number of booked seats to the total number of seats available.

```
(324, 214, 5, 270.0, '2025-04-15', 505);
SELECT S.Screen_Name,
       (SUM(Seats.Booked_seats) * 100.0 / SUM(Seats.Total_Seats)) AS Occupancy_Rate
FROM Seats
JOIN Screen S ON Seats.Screen_No = S.Screen_No
GROUP BY S.Screen_Name;

```

SQL

	screen_name character varying (30)	occupancy_rate numeric
1	Kids Corner	85.0000000000000000
2	Main Hall	81.5151515151515152