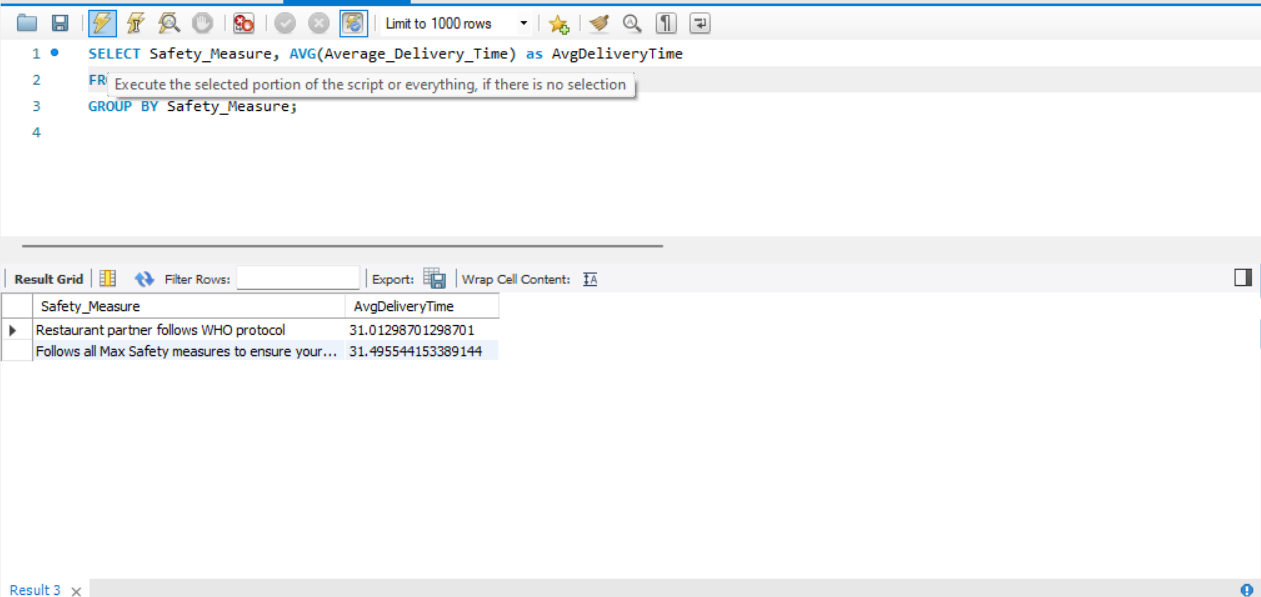
1. **Calculate the average delivery time for restaurants with and without safety measures:**

SELECT Safety\_Measure, AVG(Average\_Delivery\_Time) as AvgDeliveryTime

FROM zomato\_rating.zomato\_rating

GROUP BY Safety\_Measure;



1. **Calculate the weighted average rating for each cuisine, considering both the average rating and the safety measure.**

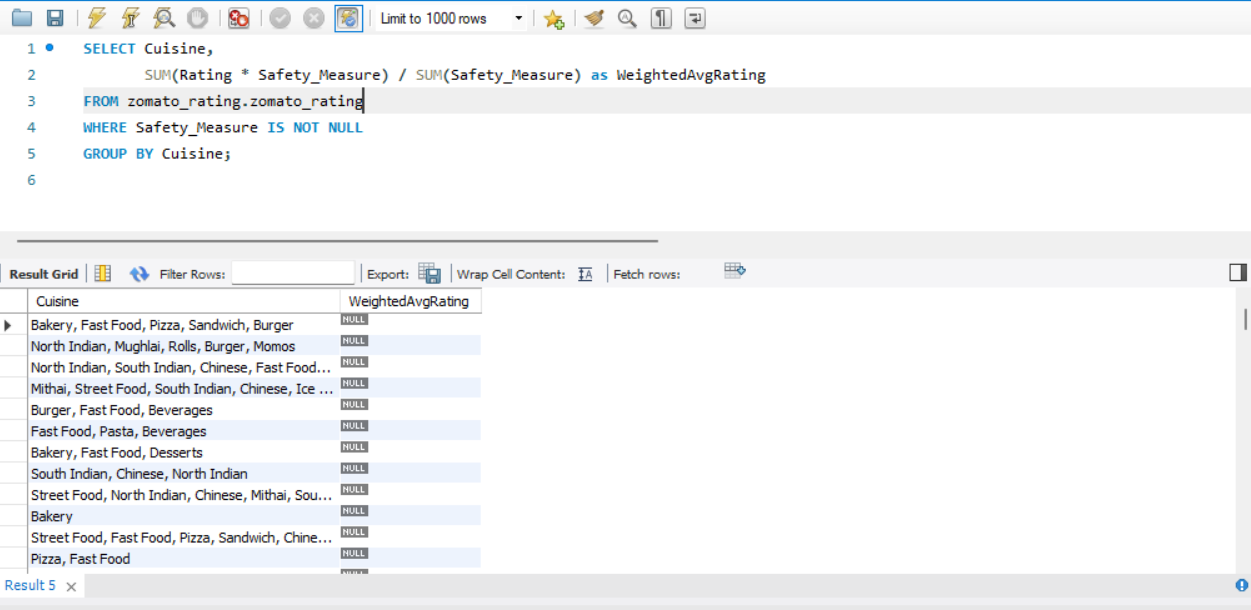
SELECT Cuisine,

SUM(Rating \* Safety\_Measure) / SUM(Safety\_Measure) as WeightedAvgRating

FROM zomato\_rating.zomato\_rating

WHERE Safety\_Measure IS NOT NULL

GROUP BY Cuisine;



1. **Calculate the average rating and delivery time for each cuisine, considering only restaurants with a safety measure:**

SELECT Cuisine,

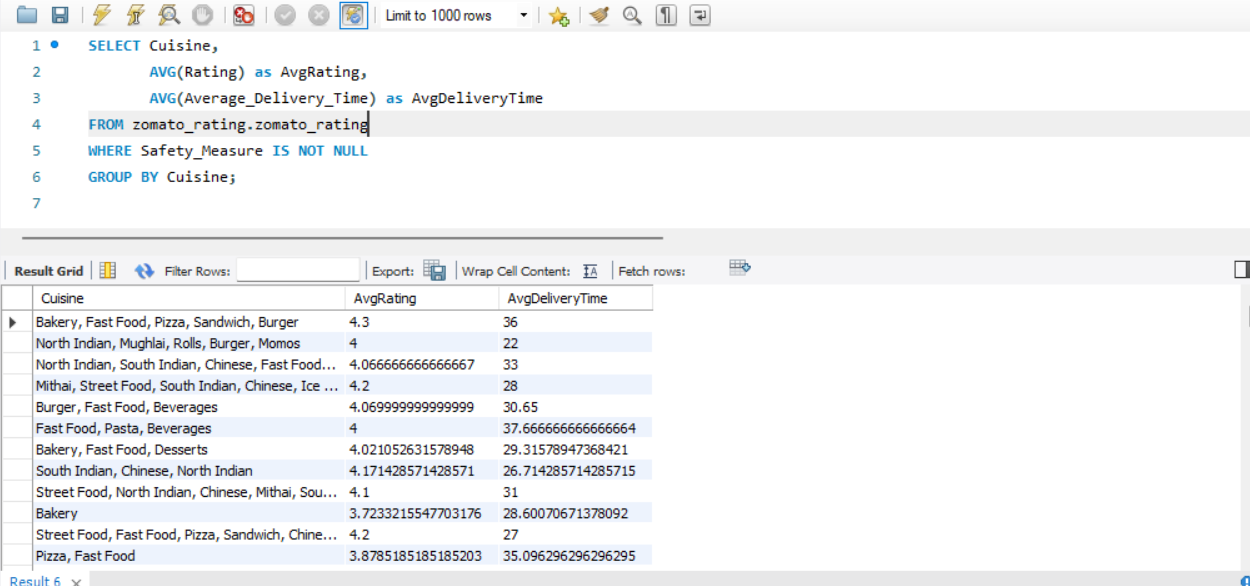
AVG(Rating) as AvgRating,

AVG(Average\_Delivery\_Time) as AvgDeliveryTime

FROM zomato\_rating.zomato\_rating

WHERE Safety\_Measure IS NOT NULL

GROUP BY Cuisine;



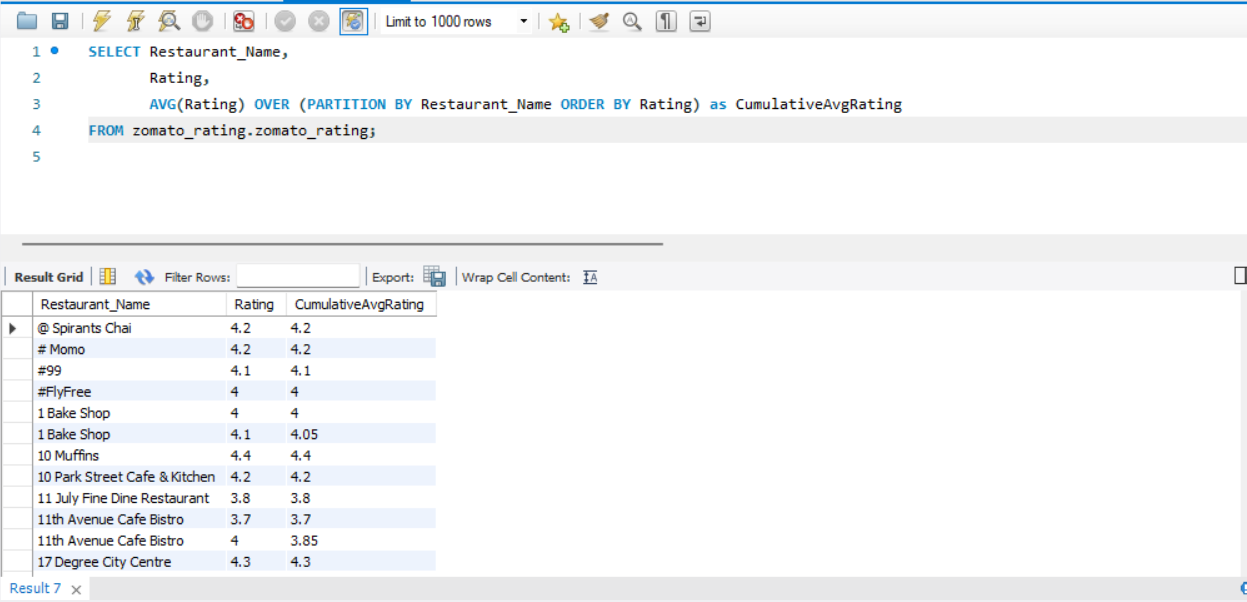
1. **Calculate the cumulative average rating for each restaurant, considering all previous ratings for that restaurant:**

SELECT Restaurant\_Name,

Rating,

AVG(Rating) OVER (PARTITION BY Restaurant\_Name ORDER BY Rating) as CumulativeAvgRating

FROM zomato\_rating;

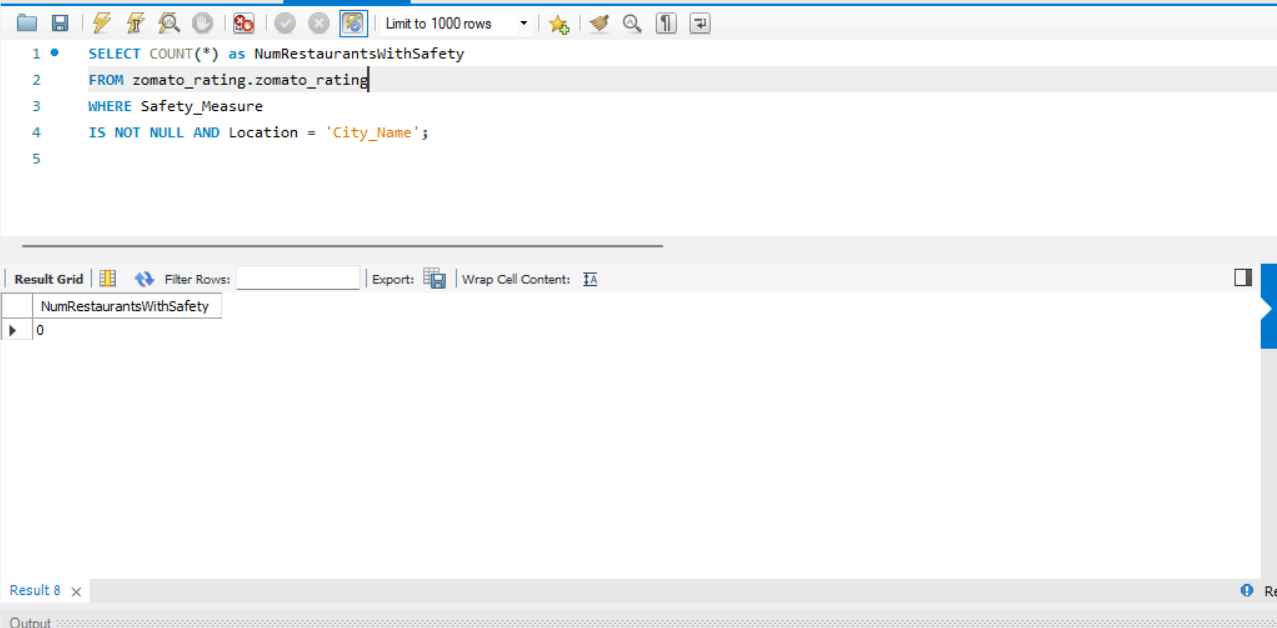


1. **Count the number of restaurants with safety measures in a specific location (e.g., 'City\_Name'):**

SELECT COUNT(\*) as NumRestaurantsWithSafety

FROM zomato\_rating.zomato\_rating

WHERE Safety\_Measure IS NOT NULL AND Location = 'City\_Name';



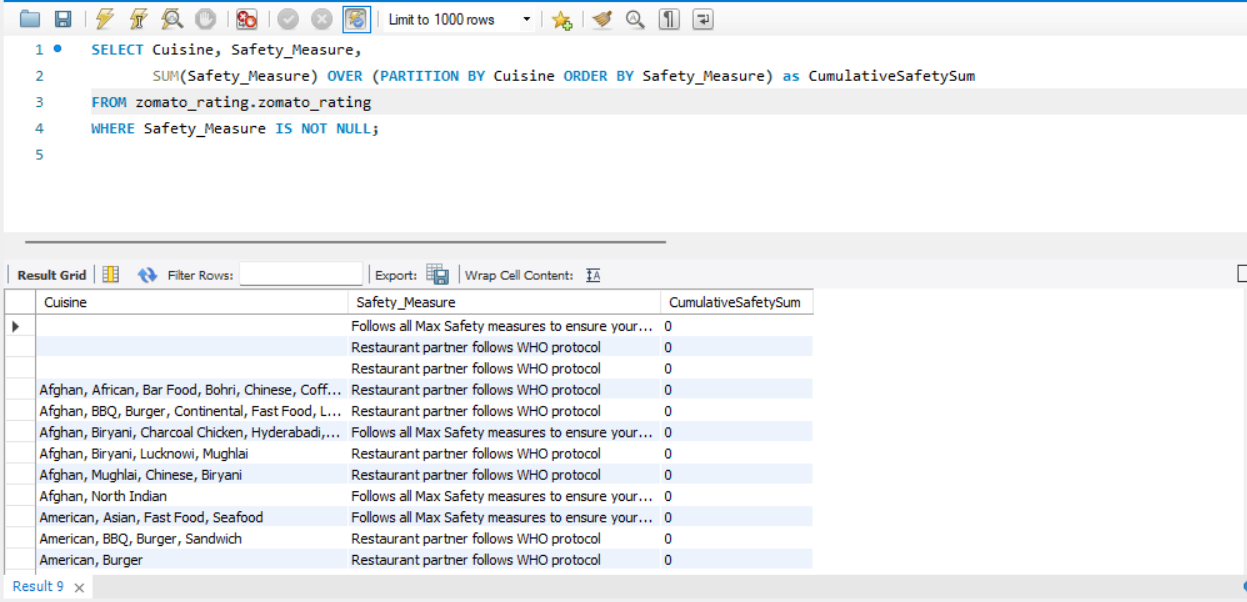
1. **Calculate the cumulative sum of safety measures within each cuisine, ordered by safety measure:**

SELECT Cuisine, Safety\_Measure,

SUM(Safety\_Measure) OVER (PARTITION BY Cuisine ORDER BY Safety\_Measure) as CumulativeSafetySum

FROM zomato\_rating.zomato\_rating

WHERE Safety\_Measure IS NOT NULL;



1. **Find the restaurants with an above-average rating and below-average delivery time:**

WITH AvgRatingDelivery AS (

SELECT AVG(Rating) as AvgRating, AVG(Average\_Delivery\_Time) as AvgDeliveryTime

FROM zomato\_rating.zomato\_rating

)

SELECT Restaurant\_Name, Rating, Average\_Delivery\_Time

FROM zomato\_rating.zo

WHERE Rating > (SELECT AvgRating FROM AvgRatingDelivery)

AND Average\_Delivery\_Time < (SELECT AvgDeliveryTime FROM AvgRatingDelivery);

A screenshot of a computer

Description automatically generated

1. **Retrieve the top 3 restaurants with the highest safety measures in each cuisine:**

WITH RankedSafetyByCuisine AS (

SELECT Cuisine, Restaurant\_Name, Safety\_Measure,

RANK() OVER (PARTITION BY Cuisine ORDER BY Safety\_Measure DESC) as SafetyRank

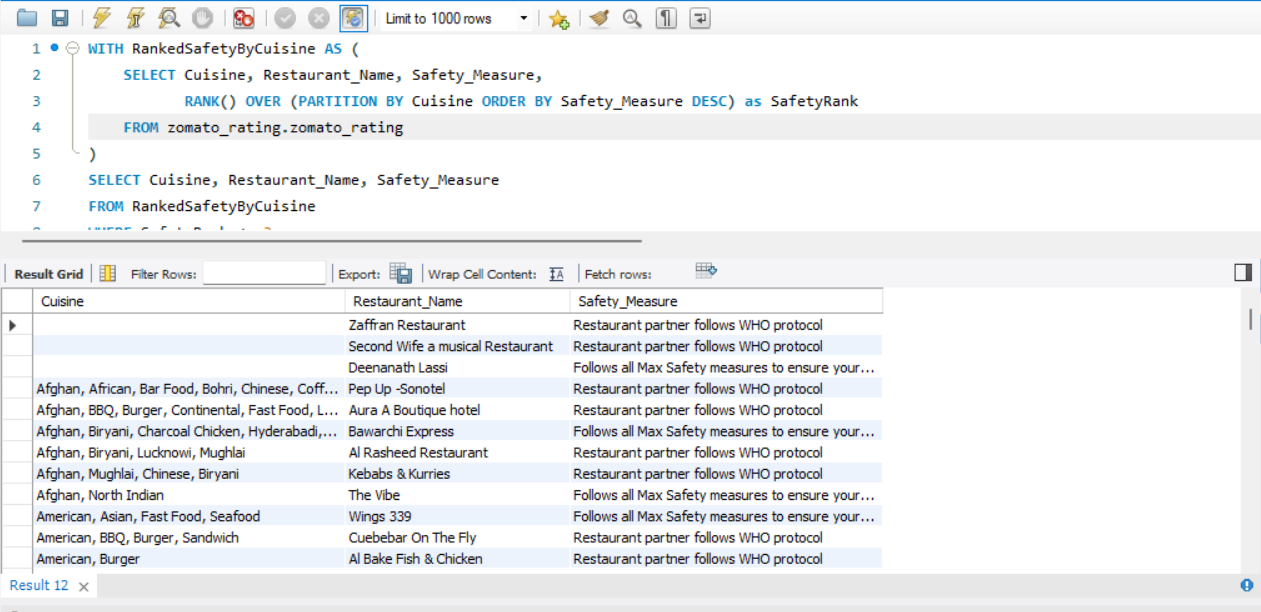
FROM zomato\_rating.zomato\_rating

)

SELECT Cuisine, Restaurant\_Name, Safety\_Measure

FROM RankedSafetyByCuisine

WHERE SafetyRank <= 3;



1. **Identify restaurants with a higher-than-average rating and a lower-than-average safety measure:**

WITH AvgRatingSafety AS (

SELECT AVG(Rating) as AvgRating, AVG(Safety\_Measure) as AvgSafetyMeasure

FROM zomato\_rating.zomato\_rating

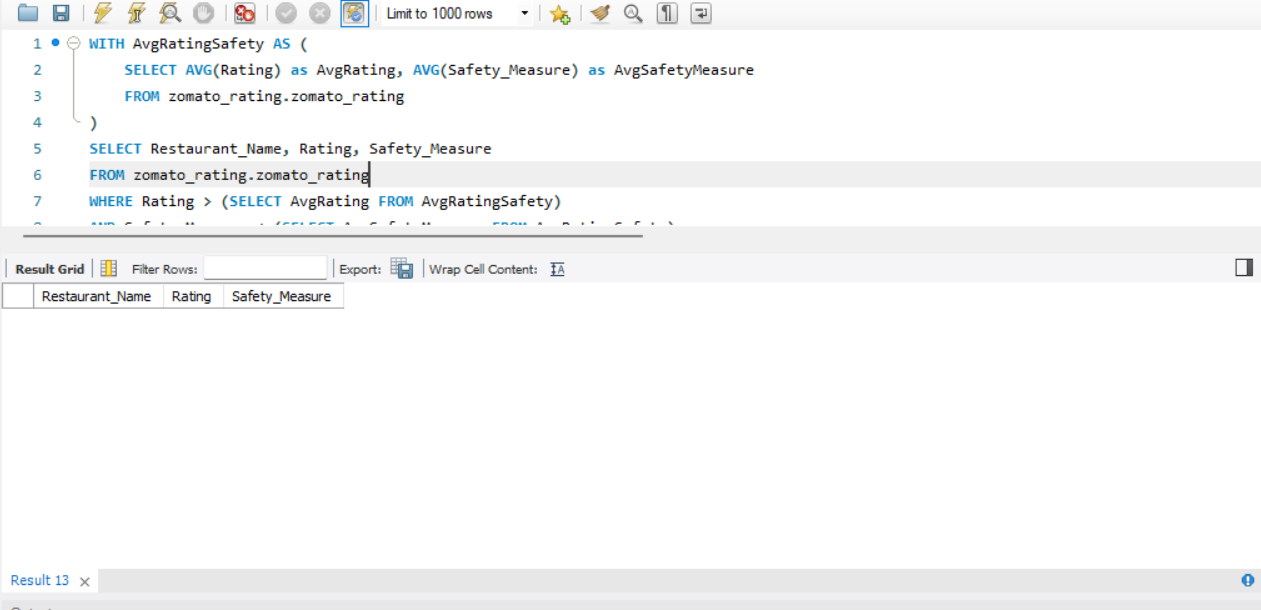
)

SELECT Restaurant\_Name, Rating, Safety\_Measure

FROM zomato\_rating.zomato\_rating

WHERE Rating > (SELECT AvgRating FROM AvgRatingSafety)

AND Safety\_Measure < (SELECT AvgSafetyMeasure FROM AvgRatingSafety);



1. **Retrieve the top 5 locations with the highest average rating and safety measure:**

SELECT Location,

AVG(Rating) as AvgRating,

AVG(Safety\_Measure) as AvgSafetyMeasure

FROM zomato\_rating.zomato\_rating

GROUP BY Location

ORDER BY AvgRating DESC, AvgSafetyMeasure DESC

LIMIT 5;

