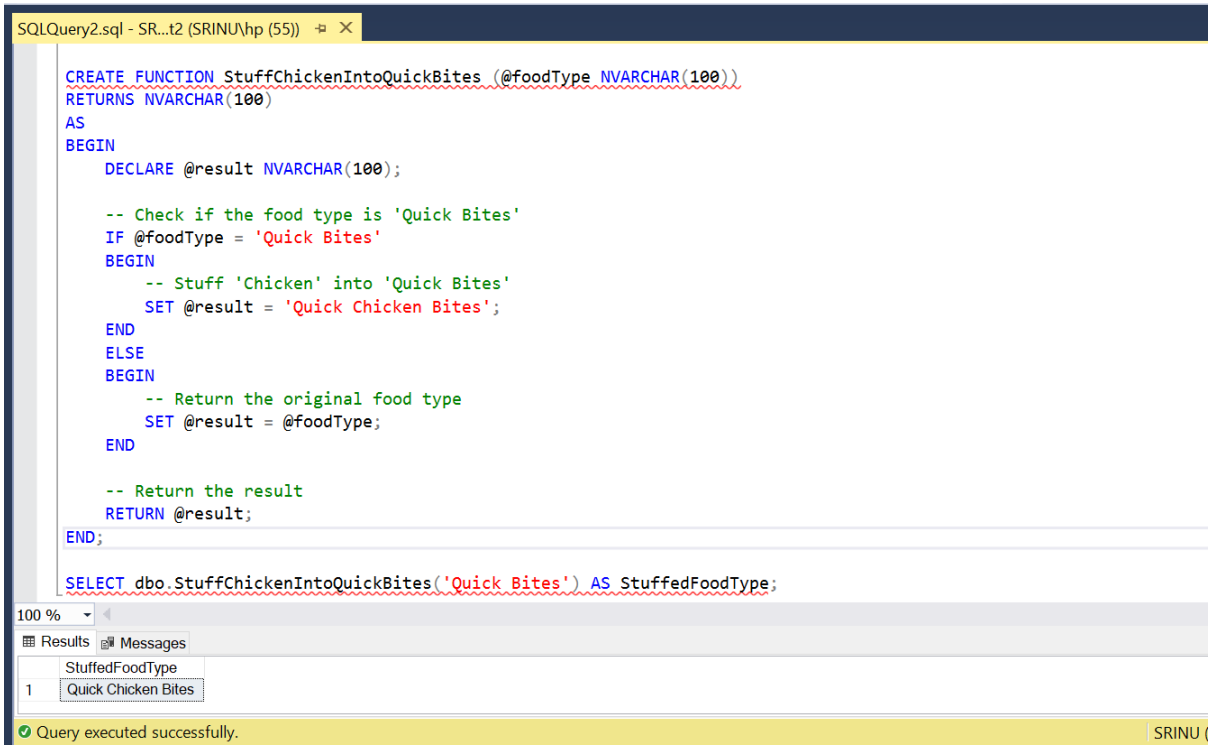
Sql Mandatory Assignment -2

Dataset: Jomato

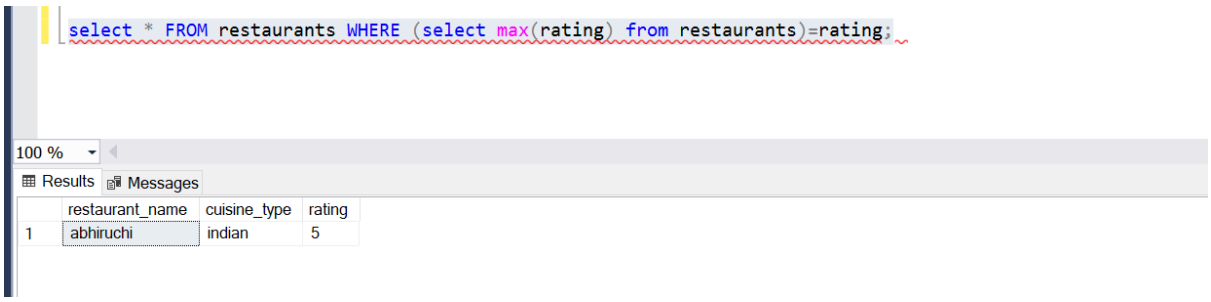
About the dataset: You work for a data analytics company, and your client is a food delivery platform similar to Jomato. They have provided you with a dataset containing information about various restaurants in a city. Your task is to analyze this dataset using SQL queries to extract valuable insights and generate reports for your client.

Tasks to be performed:

1. Create a user-defined functions to stuff the Chicken into 'Quick Bites'. Eg: 'Quick Chicken Bites'.



2. Use the function to display the restaurant name and cuisine type which has the maximum number of rating.



3. Create a Rating Status column to display the rating as ‘Excellent’ if it has more than 4 start rating, ‘Good’ if it has above 3.5 and below 4 star rating, ‘Average’ if it is above 3 and below 3.5 and ‘Bad’ if it is below 3 star rating and

```
select *,
case
when rating > 4 then 'Excellent'
when rating between 3.5 and 4 then 'Good'
when rating between 3 and 3.5 then 'Average'
when rating <3 then 'Bad'
end as Rating_status
from restaurants;
```

100 %

Results | Messages

	restaurant_name	cuisine_type	rating	Rating_status
1	abhiruchi	indian	5	Excellent
2	sushi	japanese	4	Good
3	dragonbowl	chinese	3	Average
4	habibi	arabic	3	Average
5	hastalavista	french	4	Good
6	bellachaio	spanish	3	Average
7	himalayan	arabic	3.5	Good
8	juju	french	4.5	Excellent
9	belmark	spanish	3.5	Good

4. Find the Ceil, floor and absolute values of the rating column and display the current date and separately display the year, month_name and day.

SQLQuery2.sql - SR...AT (SRINU\hp (55))*

```
select rating,
floor(rating) as floor_value,
abs(rating) as absolute_value,
CEILING(rating) as ceiling_value
from restaurants;

select GETDATE() as CurrentDate;

SELECT
    GETDATE() AS CurrentDate,
    YEAR(GETDATE()) AS CurrentYear,
    DATENAME(MONTH, GETDATE()) AS MonthName,
    DAY(GETDATE()) AS CurrentDay;
```

100 %

Results | Messages

	rating	floor_value	absolute_value	ceiling_value
1	5	5	5	5
2	4	4	4	4
3	3	3	3	3
4	3	3	3	3
5	4	4	4	4
6	3	3	3	3
7	3.5	3	3.5	4
8	4.5	4	4.5	5

	CurrentDate
1	2024-02-05 12:45:26.237

	CurrentDate	CurrentYear	MonthName	CurrentDay
1	2024-02-05 12:45:26.237	2024	February	5

Query executed successfully.

5. Display the restaurant type and total average cost using rollup.

```
SELECT
    RestaurantType,
    AVG(AverageCost) AS TotalAverageCost
FROM
    restaurants
GROUP BY
    ROLLUP(RestaurantType);
```