SQL Mandatory Assignment 3

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 stored procedure to display the restaurant name, type and cuisine where the table booking is not zero.

```
CREATE PROC Non_zero_tables_Restaurants
as
(
select restaurant name, type, cuisine from jomato where table booking<>0);

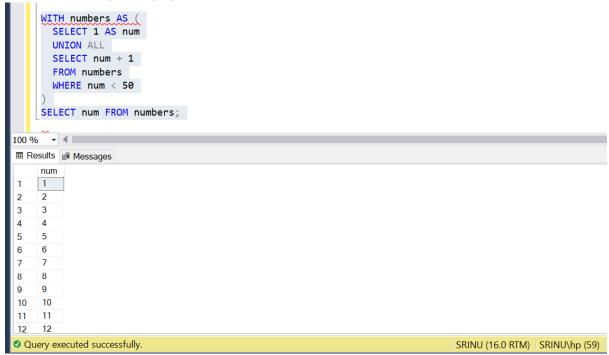
EXEC Non_zero_tables_Restaurants;
```

2. Create a transaction and update the cuisine type 'Cafe' to 'Cafeteria'. Check the result and rollback it.

3. Generate a row number column and find the top 5 areas with the highest rating of restaurants.

```
--3. Generate a row number column and find the top 5 areas with the highest rating of restaurants.
    WITH ranked_restaurants AS (
      SELECT
        rating,
        ROW_NUMBER() OVER (ORDER BY rating DESC) AS row_num
      FROM
        restaurants
    SELECT
      rating
    FROM
      ranked_restaurants
    WHERE
      row_num <= 5;
100 % ▼ ◀ ■
rating
```

4. Use the while loop to display the 1 to 50.



5. Write a query to Create a Top rating view to store the generated top 5 highest rating of restaurants.

```
CREATE VIEW TopRating AS
SELECT TOP 5 *
FROM Restaurants
ORDER BY rating DESC;

100 % 

Messages
Commands completed successfully.
Completion time: 2024-02-08T13:06:00.3395921+05:30
```

6. Create a trigger that give an message whenever a new record is inserted

```
-- Step 1: Create the trigger
CREATE TRIGGER trgAfterInsert
ON restaurants
AFTER INSERT
AS
BEGIN
-- Step 2: Use RAISERROR to raise a custom message
RATSERROR ('A new record has been inserted into the table.', 0, 1) WITH NOWAIT;
END;

100 % 

100 % 
Commands completed successfully.
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```