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.

USE Assignment3and4;

GO

CREATE PROCEDURE GetBookedRestaurants

AS

BEGIN

SELECT RestaurantName, RestaurantType, CuisinesType

FROM dbo.Jomato

WHERE TableBooking <> 0;

END;

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

BEGIN TRANSACTION;

UPDATE dbo.Jomato

SET CuisinesType = 'Cafeteria'

WHERE CuisinesType = 'Cafe';

-- Check the result

SELECT \* FROM dbo.Jomato;

-- ROLLBACK TRANSACTION; -- Uncomment this line if you want to rollback the changes

COMMIT TRANSACTION;

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

SELECT ROW\_NUMBER() OVER (ORDER BY Rating DESC) AS RowNumber, Area, Rating

FROM dbo.Jomato

ORDER BY Rating DESC

OFFSET 0 ROWS FETCH NEXT 5 ROWS ONLY;

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

DECLARE @i INT = 1;

WHILE @i <= 50

BEGIN

PRINT @i;

SET @i = @i + 1;

END;

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 RestaurantName, Rating

FROM dbo.Jomato

ORDER BY Rating DESC;

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

CREATE TRIGGER NewRestaurantInserted

ON dbo.Jomato

AFTER INSERT

AS

BEGIN

PRINT 'A new record has been inserted into the Jomato table.';

END;