**SQL 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.

-- Assignment 2

-- Tasks Performed:

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

CREATE FUNCTION dbo.ConvertToChickenBites(@RestaurantType NVARCHAR(255))

RETURNS NVARCHAR(255)

AS

BEGIN

DECLARE @result NVARCHAR(255);

-- Use the REPLACE function to replace 'Quick Bites' with 'Quick Chicken Bites'

SET @result = REPLACE(@restaurantType, 'Quick Bites', 'Quick Chicken Bites');

RETURN @result;

END;

UPDATE Jomato$

SET RestaurantType = dbo.ConvertToChickenBites(RestaurantType)

WHERE RestaurantType LIKE '%Quick Bites%';

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

SELECT TOP 1

RestaurantName,

dbo.ConvertToChickenBites(CuisinesType) AS ConvertedCuisineType

FROM

Jomato$

ORDER BY

[Rating] DESC;

/\* 3. Create a Rating Status column to display the rating as ‘Excellent’ if it has more the 4

start rating, ‘Good’ if it has above 3.5 and below 5 star rating, ‘Average’ if it is above 3

and below 3.5 and ‘Bad’ if it is below 3 star rating. \*/

ALTER TABLE Jomato$ ADD RatingStatus NVARCHAR(50);

UPDATE Jomato$

SET RatingStatus =

CASE

WHEN Rating > 4 THEN 'Excellent'

WHEN Rating > 3.5 AND Rating <= 4 THEN 'Good'

WHEN Rating > 3 AND Rating <= 3.5 THEN 'Average'

WHEN Rating <= 3 THEN 'Bad'

ELSE NULL -- Handle any other cases if needed

END;

/\* 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. \*/

SELECT

Rating,

CEILING(Rating) AS CeilValue,

FLOOR(Rating) AS FloorValue,

ABS(Rating) AS AbsoluteValue

FROM

Jomato$;

SELECT

GETDATE() AS CurrentDate,

YEAR(GETDATE()) AS CurrentYear,

DATENAME(MONTH, GETDATE()) AS CurrentMonthName,

DAY(GETDATE()) AS CurrentDay;

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

SELECT

RestaurantType,

AVG(AverageCost) AS TotalAverageCost

FROM

Jomato$

GROUP BY

ROLLUP (RestaurantType);