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’.

CREATE FUNCTION dbo.StuffChickenIntoQuickBites (@restaurantName VARCHAR(100))

RETURNS VARCHAR(100)

AS

BEGIN

DECLARE @updatedName VARCHAR(100)

SET @updatedName = REPLACE(@restaurantName, 'Chicken', 'Quick Chicken')

RETURN @updatedName

END

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

SELECT TOP 1 RestaurantName, CuisinesType

FROM Zomato

WHERE No.of.Rating = (SELECT MAX(No.of.Rating) FROM YourTableName)

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 4 star rating, ‘Average’ if it is above 3 and below 3.5 and ‘Bad’ if it is below 3 star rating and

ALTER TABLE Zomato

ADD RatingStatus VARCHAR(20)

UPDATE YourTableName

SET RatingStatus =

CASE

WHEN Rating > 4 THEN 'Excellent'

WHEN Rating > 3.5 THEN 'Good'

WHEN Rating > 3 THEN 'Average'

ELSE 'Bad'

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,

GETDATE() AS CurrentDate,

YEAR(GETDATE()) AS CurrentYear,

DATENAME(MONTH, GETDATE()) AS CurrentMonth,

DATENAME(WEEKDAY, GETDATE()) AS CurrentDay

FROM Zomato

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

SELECT ISNULL(RestaurantType, 'Total') AS RestaurantType,

AVG(AverageCost) AS AverageCost

FROM Zomato

GROUP BY ROLLUP(RestaurantType)