SQL Mandatory Assignment – 2

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Database Used: SQL Server (Azure / Localhost)
Dataset: Jomato

```
create database SQL3
use SQL3
  select * from J1

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

  CREATE FUNCTION dbo.StuffChicken (@cuisine VARCHAR(100))
RETURNS VARCHAR(150)
AS
BEGIN
    IF @cuisine = 'Quick Bites'
        RETURN 'Quick Chicken Bites'
    RETURN @cuisine
END;

SELECT dbo.StuffChicken('Quick Bites') AS Output;
```

```
--Q2Use the function to display the restaurant name and cuisine
type which has the maximum number of rating.

DROP FUNCTION IF EXISTS dbo.StuffChicken;
GO

CREATE FUNCTION dbo.StuffChicken (@Cuisine VARCHAR(150))
RETURNS VARCHAR(150)
AS
BEGIN
    IF @Cuisine = 'Quick Bites'
        RETURN 'Quick Chicken Bites'
    RETURN @Cuisine
END;
GO
```

```sql
--Q3Create 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.

SELECT
    RestaurantName AS Restaurant_Name,
    dbo.StuffChicken(CuisinesType) AS Cuisine_Type,
    Rating
FROM Jomato
WHERE
    TRY_CAST(REPLACE(Rating, '/5', '') AS FLOAT) =
    (
        SELECT MAX(TRY_CAST(REPLACE(Rating, '/5', '') AS FLOAT))
        FROM Jomato
    );
```

```sql
--Q4. 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
    RestaurantName,
    Rating,
    CASE
        WHEN TRY_CAST(REPLACE(Rating, '/5', '') AS FLOAT) > 4 THEN
'Excellent'
        WHEN TRY_CAST(REPLACE(Rating, '/5', '') AS FLOAT) > 3.5
THEN 'Good'
        WHEN TRY_CAST(REPLACE(Rating, '/5', '') AS FLOAT) > 3 THEN
'Average'
        ELSE 'Bad'
    END AS Rating_Status
FROM Jomato;
```

```sql
--Q5 Display the restaurant type and total average cost using
rollup.

SELECT
    Rating,
    CEILING(TRY_CAST(REPLACE(Rating, '/5', '') AS FLOAT)) AS
Ceil_Value,
    FLOOR(TRY_CAST(REPLACE(Rating, '/5', '') AS FLOAT)) AS
Floor_Value,
    ABS(TRY_CAST(REPLACE(Rating, '/5', '') AS FLOAT)) AS
Absolute_Value,
    GETDATE() AS CurrentDate,
    YEAR(GETDATE()) AS Year,
    DATENAME(MONTH, GETDATE()) AS Month_Name,
    DAY(GETDATE()) AS Day
FROM Jomato;




SELECT
    RestaurantType,
    AVG(AverageCost) AS Avg_Cost
FROM Jomato
GROUP BY ROLLUP (RestaurantType);
```