**SQL ASSIGNMENT 2**

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**Submitted by:** Navyatha Godla

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

**Code:**

Create function udf\_StuffintoQuickBites(@word Nvarchar(100))

returns nvarchar(100)

as begin

declare @new\_word nvarchar(100);

set @new\_word = 'Quick ' + @word +' Bites';

return @new\_word;

end;

Select dbo.udf\_StuffintoQuickBites('Chicken')

**Result:A screenshot of a computer program

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

**Code:**

Create function udf\_Resturant\_MaxNo\_Raiting( @Restaurant\_type varchar(100))

returns table

as return

(select Top 1

J.RestaurantName, J.CuisinesType

from Jomato as J

where J.RestaurantType=@Restaurant\_type

order by J.No\_of\_Rating desc);

Select \* from dbo.udf\_Resturant\_MaxNo\_Raiting('pub');

**Result:**

**A screenshot of a computer

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**Task:** 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

**Code:**

Alter table Jomato add Rating\_status varchar(50);

update Jomato set Rating\_status =

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 'Unknown'

end;

Select \* from Jomato

**Result:**

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**Task:** 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.

**Code:**

Select

CEILING(Rating) as Rating\_Ceiling, FLOOR(Rating) as Rating\_Floor,

ABS(Rating) as Rating\_Absolute, convert(date,GETDATE()) as CurrentDate,

Year(Getdate()) as Year, Datename(Month,getdate()) as Month, Day(getdate()) as Day

from Jomato

**A screenshot of a computer

Description automatically generatedResult:**

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

**Code:**

Select RestaurantType,

Avg(AverageCost) as [Total Average Cost]

from Jomato

group by RestaurantType with rollup;

**Result:**

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