

# SQL ASSIGNMENT 3



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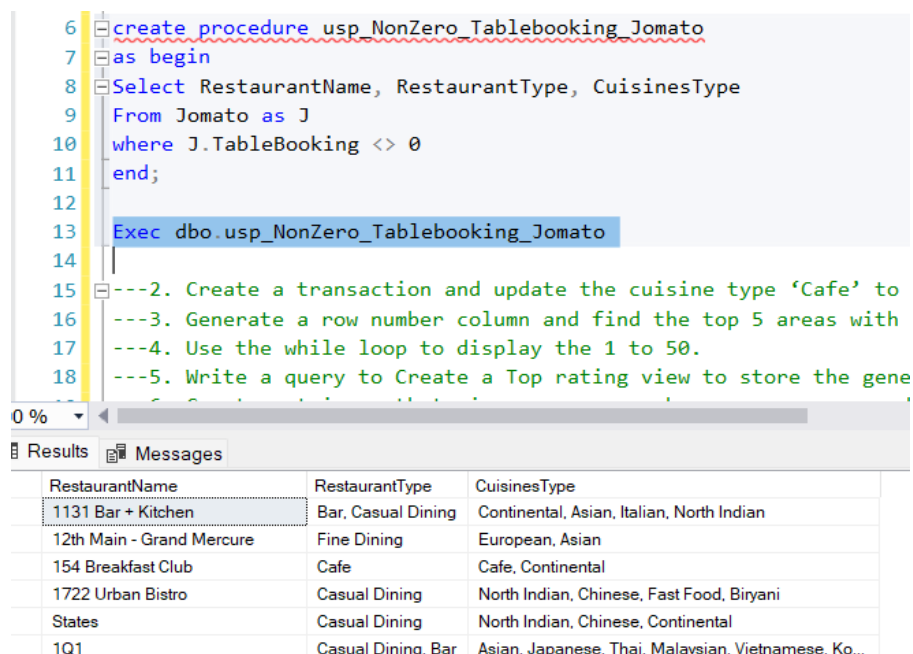
**Task:** 1. Create a stored procedure to display the restaurant name, type and cuisine where the table booking is not zero.

## Code:

```
create procedure
usp_NonZero_Tablebooking_Jomato
as begin
    Select RestaurantName, RestaurantType,
    CuisinesType
    From Jomato as J
    where J.TableBooking <> 0
end;
```

```
Exec dbo.usp_NonZero_Tablebooking_Jomato;
```

## Result:



RestaurantName	RestaurantType	CuisinesType
1131 Bar + Kitchen	Bar, Casual Dining	Continental, Asian, Italian, North Indian
12th Main - Grand Mercure	Fine Dining	European, Asian
154 Breakfast Club	Cafe	Cafe, Continental
1722 Urban Bistro	Casual Dining	North Indian, Chinese, Fast Food, Biryani
States	Casual Dining	North Indian, Chinese, Continental
1Q1	Casual Dining, Bar	Asian, Japanese, Thai, Malaysian, Vietnamese, Ko...

**Task: 2.** Create a transaction and update the cuisine type 'Cafe' to 'Cafeteria'. Check the result and rollback it.

## Code:

```
Begin transaction
update Jomato
set CuisinesType='Cafeteria' where
CuisinesType='Cafe'
select
RestaurantName,RestaurantType,CuisinesType
from Jomato where RestaurantType='Cafe'
Rollback transaction;
```

## Results:

```
14
15 ---2. Create a transaction and update the cuisine type 'Cafe' to 'Cafeteria'. Chec
16
17 Begin transaction
18 update Jomato
19 set CuisinesType='Cafeteria' where CuisinesType='Cafe'
20 select RestaurantName,RestaurantType,CuisinesType from Jomato where RestaurantType
21 Rollback transaction
22
23 ---3. Generate a row number column and find the top 5 areas with the highest rating
```

Results		
RestaurantName	RestaurantType	CuisinesType
refuel	Cafe	Cafe, Beverages
154 Breakfast Club	Cafe	Cafe, Continental
18+ Ice Cafe	Cafe	Cafe, Fast Food, Chinese, Beverages
1980s Games Cafe	Cafe	Cafe, Fast Food
24 Hours Coffee Drop - La Classic	Cafe	Cafeteria
360 Atoms Restaurant And Cafe	Cafe	Cafe, Chinese, Continental, Italian
4th Tea Block	Cafe	Cafeteria
5th Main Cafe	Cafe	Cafe, Fast Food
9th Cross Cafe	Cafe	Cafe, Italian, French
A Hole Lotta Love Cafe	Cafe	Cafe, American, Burger, Sandwich, Beverages
Alchemy Coffee Roasters	Cafe	Cafeteria

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

## Code:

```
select Rank, Area, Round(Rating,2) as
AreaRating
from
    (select
        Area, Rating, RestaurantName,
        Row_number() over (order by Rating desc)
as Rank
        from Jomato ) as Area_Ranked
where rank <= 5;
```

## Result:

```

23  ---Task: 3. Generate a row number column and find the top 5 areas wi
24
25  select Rank, Area, Round(Rating,2) as AreaRating
26  from
27      (select
28          Area, Rating, RestaurantName,
29          Row_number() over (order by Rating desc) as Rank
30          from Jomato ) as Area_Ranked
31  where rank <= 5;
32
33
34  ---Task: 4. Use the while loop to display the 1 to 50.
35
36  ---Task: 5. Write a query to Create a Top rating view to store the g

```

Rank	Area	AreaRating
1	Byresandra,Tavarekere,Madiwala	4.9
2	Bellandur	4.9
3	Old Airport Road	4.9
4	Whitefield	4.8
5	Indiranagar	4.8

**Task: 4.** Use the while loop to display the 1 to 50.

**Code:**

```
declare @counter int
set @counter = 1

While @counter < 51
begin
Select * from Jomato where OrderId=@counter
set @counter = @counter + 1
end
```

**Result:**

32  
33 ---Task: 4. Use the while loop to display the 1 to 50.  
34  
35 declare @counter int  
36 set @counter = 1  
37  
38 While @counter < 51  
39 begin  
40 Select \* from Jomato where OrderId=@counter  
41 set @counter = @counter + 1  
42 end  
43  
44  
45 ---Task: 5. Write a query to Create a Top rating view to store the generated top 5 highest r  
46  
47 ---Task: 6. Create a trigger that give an message whenever a new record is inserted.  
48

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OrderId	RestaurantName	RestaurantType	Rating	No_of_Rating	AverageCost	OnlineOrder	TableBooking	CuisinesType	Area
4	The Bbq	Casual Dining	2.79999995231628	40	700	1	0	BBQ, Continental, North Indian	
5	The Bbq	Takeaway, Delivery	3.40000009536743	37	200	0	0	Mughlai, Biryani, Continental	
6	Italy	Casual Dining	4.09999990463257	305	700	1	0	Italian	Banas
7	North Parantha Hut	Takeaway, Delivery	2.79999995231628	40	300	0	0	North Indian	Ir
8	1000 B.C	Quick Bites	3.20000004768372	49	300	1	0	Arabian, Sandwich, Rolls	
9	1Q1	Casual Dining	3.70000004768372	41	450	0	0	Biryani, North Indian	
10	11 to 11 Express Birivanis	Quick Bites	3.5	22	300	1	0	Biryani, Kebabs, Electronic	

**Task: 5.** Write a query to Create a Top rating view to store the generated top 5 highest rating of restaurants.

**Code:**

```
Create view vw_Top5_Jomato as
select * from
    (select Row_number() over (order by
Rating desc) as Rank,
        RestaurantName, RestaurantType,
CuisinesType,AverageCost, OnlineOrder,
TableBooking, Delivery_time,
Area,LocalAddress, Round(Rating,2) as Rating,
No_of_Rating
        from Jomato ) as Restaurant_Ranked
where rank <= 5;
select * from vw_Top5_Jomato
```

**Result:**

```
45
46 Create view vw_Top5_Jomato as
47 select * from
48     (select Row_number() over (order by Rating desc) as Rank,
49         RestaurantName, RestaurantType, CuisinesType,AverageCost, OnlineOrder, TableB
50     from Jomato ) as Restaurant_Ranked
51 where rank <= 5;
52
53 select * from vw_Top5_Jomato
54
55 ---Task: 6. Create a trigger that give an message whenever a new record is inserted
56
```

Rank	RestaurantName	RestaurantType	CuisinesType
1	Asia Kitchen By Mainland China	Casual Dining, Bar	Asian, Chinese, Thai, Momos
2	Byg Brewski Brewing Company	Microbrewery	Continental, North Indian, Italian, South India...
3	Sant?de?ed??ede??d??ede?ed??de??de??ede?ed??ede?...	Casual Dining	Healthy Food, Salad, Mediterranean
4	Punjab Grill	Casual Dining	North Indian
5	The Pizza Bakery	Casual Dining	Italian, Pizza, Beverages

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

## Code:

```
create Trigger tr_Insert_Jomato on Jomato
after insert
as begin
Select 'Order ' + cast(OrderId as
varchar(20)) + ' is placed at ' +
cast(getdate() as varchar(50)) from inserted
End

begin transaction
insert into Jomato values
(7777, 'Znew', 'Cafe', 3.2, 10, 100, 0, 0, 'Cafe', 'HS
R', 'HSR', 50)
Select * from Jomato order by OrderId desc
rollback
```

## Result:

61	end
62	
63	begin transaction
64	insert into Jomato values (7777, 'Znew', 'Cafe', 3.
65	Select * from Jomato order by OrderId desc
66	rollback
67	

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Results	Messages
(No column name)	
Order 7777 is placed at Feb 10 2024 11:10PM	