Zomato Analysis SQL

Project Summary:-

- **2+ stored procedures**

- **Summarized 20000+ records with the help of efficient SQL Queries**

- **Efficient data summarization across different categories**

- **Bulk SQL Insertion queries have been used**

- **CSV to SQL tool has been used to convert csv records into SQL Queries**

- **This helps inserting data in a couple of seconds instead of using import csv feature of mysql which takes hours for insertion when there are too many records.**

```
INSERT INTO mytable(Restaurant_Name,Dining_Rating,Delivery_Rating,Dining_Votes,Delivery_V
INSERT INTO mytable(Restaurant_Name,Dining_Rating,Delivery_Rating,Dining_Votes,Delivery_V
INSERT INTO mytable(Restaurant_Name,Dining_Rating,Delivery_Rating,Dining_Votes,Delivery_V
INSERT INTO mytable(Restaurant_Name,Dining_Rating,Delivery_Rating,Dining_Votes,Delivery_V
```

Areainfo Stored Procedure

- **If executed with no input, returns City name, Category, Count of Category and Place Name as the output.**

- **Stakeholders can enter the city name and category(bestseller/spicy/etc) for refined output.**

- **Will help stakeholders understand the city and area where they can expand their business for a particular category**

Enter values for parameters of your procedure and click <Execute> to create an SQL editor and run the call:

cityname		[IN]	varchar(30)
category		[IN]	varchar(30)

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Areainfo Stored Procedure Output

| cityname | | [IN] | varchar(30) |
| category | | [IN] | varchar(30) |

City	Best_seller	count	Place_Name
Jaipur	Not eligible for coupons	364	Crystal Palm Mall
Jaipur	BESTSELLER	356	C Scheme
Ahmedabad	BESTSELLER	265	Navrangpura
Bangalore	Not eligible for coupons	239	HSR
Hyderabad	BESTSELLER	218	Charminar
Jaipur	Not eligible for coupons	197	C Scheme
Hyderabad	BESTSELLER	183	Malakpet
Chennai	BESTSELLER	172	Egmore
Chennai	Not eligible for coupons	167	Nungambakkam
Ahmedabad	BESTSELLER	149	Mani Nagar
Lucknow	BESTSELLER	144	Aliganj
Hyderabad	BESTSELLER	143	Himayath Nagar
Chennai	BESTSELLER	142	Royapettah

| cityname | Jaipur | [IN] | varchar(30) |
| category | SPICY | [IN] | varchar(30) |

City	Best_seller	count	Place_Name
Jaipur	SPICY	36	C Scheme
Jaipur	SPICY	32	Raja Park
Jaipur	SPICY	13	MI Road
Jaipur	SPICY	10	Sodala
Jaipur	SPICY	9	Malviya Nagar
Jaipur	SPICY	9	Brahmpuri
Jaipur	SPICY	5	Jhotwara
Jaipur	SPICY	3	Pink City
Jaipur	SPICY	2	Gopalbari
Jaipur	SPICY	1	Gopalpura
Jaipur	SPICY	1	Masala Chowk

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Citywiseinfo Stored Procedure

- **Requires cityname and type as input**

- **Type has two categories i.e. MIN and MAX, MIN returns the least items sold in the city whereas MAX returns the maximum items sold in the city.**

- **Returns City Name, Average Dining & Delivery Rating, Total Dining and Delivery votes and food item name based on the city name entered and type chosen.**

cityname		[IN]	varchar(30)
type		[IN]	char(3)

Execute   Cancel

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Citywiseinfo Stored Procedure Output

cityname	Kolkata	[IN]	varchar(30)
type	MAX	[IN]	char(3)

City	Avg_Dining_Rating	Avg_Delivery_Rating	Sum_Dining_Votes	Sum_Delivery_Votes	Item_Name
Kolkata	3.87	4	459766	69356	Chicken Biryani

cityname	Kolkata	[IN]	varchar(30)
type	MIN	[IN]	char(3)

City	Avg_Dining_Rating	Avg_Delivery_Rating	Sum_Dining_Votes	Sum_Delivery_Votes	Item_Name
Kolkata	3.87	4	459766	69356	Chefs Special Crispy Chicken Burger

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Outletinfo Stored Procedure

- **Returns info for different restaurant chains across the country**

- **Consists of 4 inputs(category, orderset, limitqty, cityview)**

- **orderset accepts two inputs (ASC for ascending order/DESC for descending order), limitqty accepts integer input and returns no of records as per no stated eg: Inputting 10 will give you ten records**

- **Category is of three types(Outlet Count/Delivery & Dining/Item Price), any one of the categories can be inputted and it'll arrange the records ar per no of outlets opened/Delivery & Dining Rating/Average Item Price per outlet.**
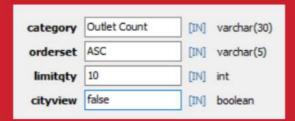
category		[IN]	varchar(30)
orderset		[IN]	varchar(5)
limitqty		[IN]	int
cityview		[IN]	boolean

Outletinfo Stored Procedure Output

- **Citywise accepts boolean input wherein true returns citywise breakdown whereas false returns overall country breakdown**

category	Item Price	[IN]	varchar(30)
orderset	ASC	[IN]	varchar(5)
limitqty	4	[IN]	int
cityview	true	[IN]	boolean

Restaurant_Name	City	Outlet_Count	Average_Delivery_Rating	Average Dining Rating	Average_Item_Price
Amfah Hotel	Hyderabad	13	3.7	3.7	242.46
Veggiies	Raipur	30	3.7	3.7	242.83
Chef's Kitchen	Raipur	41	3.9	3.9	242.88
Marrakesh	Pune	33	3.9	3.9	242.97

category	Outlet Count	[IN]	varchar(30)
orderset	ASC	[IN]	varchar(5)
limitqty	10	[IN]	int
cityview	false	[IN]	boolean

Restaurant_Name	Outlet_Count	Average Delivery Rating	Average Dining Rating	Average Item Price
Farzi Cafe	1	4.1	4.1	495.00
Paradise Biryani	1	3.5	3.5	1499.00
BrownBear	1	4	4	800.00
Jai Bhavani Snacks Center	1	4.3	4.3	55.00
Havmor Havfunn Ice Cream	1	4.2	4.2	125.00
Cafe Central	1	4	4	260.00
The Royal Rucchik Restaurant	2	3.2	3.2	179.50
Patil Misal	2	3.5	3.5	30.00
Dimsum Momo Express	2	3.8	3.8	45.00
Mohammedia Shawarma	2	3.8	3.8	130.00

Thankyou for reading my post!

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