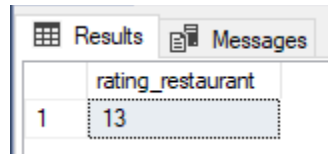


SWIGGY: SQL CASE STUDY

Q1 How many Restaurants have a rating greater than 4.5

Query:

```
Select COUNT(DISTINCT restaurant_name) AS rating_restaurant From swiggy
Where rating > 4.5
```



rating_restaurant	
1	13

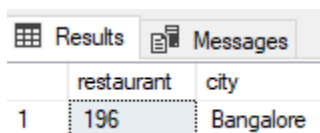
```
Select DISTINCT restaurant_name From swiggy
Where rating > 4.5
```

Result: Name of the restaurant

Q2 which is the TOP 1 City with the highest number of restaurants

Query:

```
Select TOP 1 COUNT(DISTINCT restaurant_name) AS restaurant ,city From swiggy
Group by city
Order by restaurant DESC
```

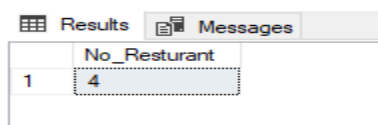


restaurant		city
1	196	Bangalore

Q3 How many restaurants have the word "PIZZA" in their name.

Query:

```
Select COUNT(DISTINCT restaurant_name) AS No_Resturant From swiggy
Where restaurant_name LIKE '%PIZZA%'
```



No_Resturant	
1	4

```
Select DISTINCT restaurant_name From swiggy
Where restaurant_name LIKE '%PIZZA%'
```

	restaurant_name
1	Pizza Hut
2	Domino's Pizza
3	Sams Pizza
4	Oven Story Pizza

Q4 what is the most common Cuisine among the restaurants in the data set.

Query:

```
Select TOP 1 cuisine, COUNT(cuisine) AS most_common_Cuisine From swiggy
GROUP BY cuisine
ORDER BY most_common_Cuisine DESC
```

	cuisine	most_common_Cuisine
1	North Indian,Chinese	3098

Q5 what is the average rating of restaurants in each city.

Query:

```
Select city, AVG(rating) AS AVG_rating From swiggy
Group By city
```

	city	AVG_rating
1	Ahmedabad	4.10667589816416
2	Bangalore	4.13653998587434

Q6. What is the highest price of item under the recommended menu category for each restaurants?

Query:

```
Select TOP 1 restaurant_name, menu_category, MAX(price)
AS highest_price From swiggy
Where menu_category = 'recommended'
Group by restaurant_name, menu_category
```

Order by highest_price DESC;

Results Messages			
	restaurant_name	menu_category	highest_price
1	Mani's Dum Biryani	Recommended	2599

Q7 Find the TOP 5 most expensive restaurants that offer cuisine other than indian cuisine.

Query:

```
Select TOP 5 Restaurant_name, MAX(cost_per_person) As Expensive From swiggy
Where Cuisine <> 'Indian'
Group by restaurant_name
Order by Expensive DESC
```

Results Messages		
	Restaurant_name	Expensive
1	China Pearl	1100
2	Anupam's Coast Il Coast	1000
3	Toscana	1000
4	Parika	1000
5	Once Upon A Flame	1000

Q8 Find the restaurants that have an average cost which is higher than the total average cost of all restaurants together.

Query:

```
Select * From swiggy
Select Distinct restaurant_name, cost_per_person From swiggy
Where cost_per_person > (Select AVG(cost_per_person) From swiggy)
```

Results	Messages		Results	Messages	
	restaurant_name	cost_per_person		restaurant_name	cost_per_person
1	Bamey's Restro Cafe	400	24	Topaz	500
2	Cafe Medley	450	25	Paradise Biryani	400
3	Smokey Tribe	700	26	Spice Up	400
4	Shivam Snacks	400	27	Sector 7 Cafe	600
5	Cafe Pascucci	600	28	Mughal Treat	400
6	Silbatti	600	29	Nandhini Deluxe	400
7	Beijing Bites	450	30	Asia Kitchen By Mainland China	650
8	Savoury (Guj) Restaurant & Banquet	400	31	Hunan Express	600
9	Noodle Bar	800	32	Neelkamal Coffee Bar	400
10	Bistro Oui	800	33	Fresh Pressery Cafe	500
11	RP's Pizzeria	550	34	Roots	421
12	1947 Restaurant	500	35	Nanda's	400
13	Via Milano	800	36	Nandhana Palace	500
14	Pumabramha	850	37	China Pearl	1100
15	Cakewala	450	38	Tandoorworkz	450
16	Huber & Holly	500	39	Biryani Paradise	450
17	Truffles	450	40	Dinner Bell 2	400
18	Mainland China	900	41	High Street	400
19	No Mad Baker - The Pizzeria	600	42	1944 - The Hocco Kitchen	500
20	Rashtrakutas	550	43	Once Upon A Flame	1000
21	Zaitoon	500	44	Bangallana	500
22	KFC	400	45	Kbobs	400
23	Tosceno	1000	46	Firangi Bake	400

Results	Messages		Results	Messages	
	restaurant_name	cost_per_person		restaurant_name	cost_per_person
48	Sultans of Spice	599	71	Tortos	600
49	Dheemi Aanch	600	72	Kapoor's Cafe	500
50	Tosceno	480	73	Sweet Truth - Cake and Desserts	450
51	Third Wave Coffee	400	74	Oven Story Pizza	400
52	Biryani Zone	600	75	Nagarjuna	600
53	Junior Kuppanna	450	76	Savoury Restaurant	600
54	Anupam's Coast II Coast	1000	77	Lazeez	500
55	M.A.D By Tomato'S	480	78	Salt - Indian Restaurant Bar & Grill	510
56	Go Native	600	79	Haagen Dazs	700
57	Hotel Empire	450	80	Gam's Delicacy	800
58	Tarbouche	500	81	Sukh Sagar	400
59	Social	500	82	The Rasoiya Street	500
60	Sphere Lounge	550	83	Atthemane's Biryani Palace	400
61	Anjappar	600	84	Punjabi Nawabi	400
62	Angat 22 - The Restaurant & Banq...	500	85	Max Kitchen	700
63	Foodinn - Fine Dine	700	86	Jugaad Nights	400
64	The Rendezvous	600	87	Sharief Bhai	400
65	Zen Cafe	500	88	McDonald's	400
66	Imperial Restaurant	400	89	Haagen Dazs	600
67	Hocco Eatery	400	90	Grill'd N More	400
68	Mainland China	850	91	24th Main	800
69	Kabab Magic (Outer Ring Road)	400	92	Venus Restaurant	500
70	1944 The Hocco Kitchen	450	93	Navjivan Restaurant	400

Results	Messages	
	restaurant_name	cost_per_person
94	Chung Wah	800
95	Meghana Foods	500
96	Amazing Hydrabadi Dum Biryani	700
97	Alinea Restaurant & Banquet	500
98	Salt - Indian Restaurant Bar & Grill	800
99	The Punjabi Rasoi	800
100	Daawat-E-Khaas	400
101	Kachori Kafe	400
102	The Blue Oven	600
103	Bhojori Manna	600
104	Udipi Cafe	450
105	Shanghai Court	450
106	Mani's Dum Biryani	400
107	Behrouz Biryani	500
108	Pizza Hut	600
109	Kabir Restaurant	400
110	Domino's Pizza	400
111	Sichuan	500
112	Puffizza	400
113	Hoglatto	400
114	Chinita Real Mexican Food	1000
115	Abhinandana Gardenia	399
116	Moti Mahal Delux	500
117	Cafe Piano - The Grand Bhagwati	400

Q9 Retrieve the details of restaurants that have the same name but are located in different cities.

Query:

```

Select distinct t1.restaurant_name, t1.city As '2nd Location', t2.city
AS '1st location' from swiggy AS t1
Join swiggy AS t2
ON t1.restaurant_name = t2.restaurant_name
AND t1.city < > t2.city

```

Results	Messages					
	restaurant_name	2nd Location	1st location			
1	Oven Story Pizza	Ahmedabad	Bangalore	15	Sweet Truth - C...	Ahmedabad Bangalore
2	Natural Ice Cream	Ahmedabad	Bangalore	16	Pizza Hut	Bangalore Ahmedabad
3	KFC	Bangalore	Ahmedabad	17	Faasos - Wraps ...	Ahmedabad Bangalore
4	Mainland China	Bangalore	Ahmedabad	18	Burger King	Bangalore Ahmedabad
5	Pizza Hut	Ahmedabad	Bangalore	19	Subway	Bangalore Ahmedabad
6	Burger King	Ahmedabad	Bangalore	20	Subway	Ahmedabad Bangalore
7	McDonald's	Ahmedabad	Bangalore	21	Behrouz Biryani	Ahmedabad Bangalore
8	KFC	Ahmedabad	Bangalore	22	Oven Story Pizza	Bangalore Ahmedabad
9	Mainland China	Ahmedabad	Bangalore	23	Faasos - Wraps ...	Bangalore Ahmedabad
10	McDonald's	Bangalore	Ahmedabad	24	Firangi Bake	Ahmedabad Bangalore
11	Natural Ice Cream	Bangalore	Ahmedabad	25	Firangi Bake	Bangalore Ahmedabad
12	Cafe Coffee Day	Bangalore	Ahmedabad	26	Sweet Truth - C...	Bangalore Ahmedabad
13	Behrouz Biryani	Bangalore	Ahmedabad			
14	Cafe Coffee Day	Ahmedabad	Bangalore			

Q10 Which restaurant offers the most number of items in the MAIN COURSE category.

Query:

```

Select TOP 1 restaurant_name, COUNT(menu_category) AS 'No_Main Course' From swiggy
where menu_category = 'Main Course'
Group by restaurant_name
Order by COUNT(menu_category) DESC

```

Results	Messages		
	restaurant_name	No_Main Course	
1	Spice Up	172	

Q11 List the name of restaurants that are 100% vegetarian in alphabetical Order of restaurant name.

Query:

```
Select Distinct restaurant_name, (COUNT
(CASE When (veg_or_non_veg) = 'Veg' THEN 1
END)* 100/ COUNT(*)) AS '%vegetarian' From Swiggy
Group by restaurant_name
Having '%vegetarian' = '100.00'
Order by restaurant_name
```

restaurant_name	vegetarian_percentage
1944 - The Hocco Kitchen	100.0000
1944 The Hocco Kitchen	100.0000
1947 Restaurant	100.0000
24th Main	100.0000
9834 The Fruit Truck	100.0000
A2B Veg	100.0000
Ab Chai Pe Charcha	100.0000
Adiga's	100.0000
Alinea Restaurant & Banquet	100.0000

Q12 which is the Restaurant providing the lowest average price for all items.

Query:

```
Select TOP 1 restaurant_name, AVG(CAST(price AS DECIMAL(8,2))) AS 'Avg price' From
swiggy
Group By restaurant_name
Order by 'Avg price' ASC
```

Results		Messages	
	restaurant_name	Avg price	
1	Urban Kiti	62.595505	

Q13 Which TOP 5 restaurant offers highest number of categories.

Query:

```
Select TOP 5 restaurant_name, COUNT (DISTINCT (menu_category)) AS 'Top categories' from
swiggy
Group by restaurant_name
Order by 'Top categories' DESC
```

	restaurant_name	Top categories
1	Imperial Restaurant	39
2	Asha Sweet Center	37
3	Hotel Empire	30
4	Udupi Palace	30
5	Angat 22 - The R...	27

Q14 TOP 5 restaurant provides the highest percentage of Non-vegetarian food.

Query:

```
Select TOP 5 restaurant_name, (COUNT
    (CASE when (veg_or_non_veg) = 'Non-Veg' THEN 1
        END)*100 / count(*)) AS 'Non vegetarian %' from Swiggy
    Group by restaurant_name
    Order by 'Non vegetarian %' DESC;
```

	restaurant_name	Non vegetarian %
1	Donne Biryani House	100
2	R.K. Omlet Centre	98
3	Donne Biryani Mane	97
4	Village Donne Biryani	97
5	Hotel Aasare	96