



# **SQL CASE STUDY**

# **SWIGGY**



```
/*WHICH RESTAURANT PROVIDES THE HIGHEST PERCENTAGE OF NON-VEGEATARIAN FOOD?*/  
SELECT DISTINCT  
    restaurant_name,  
    ROUND(COUNT(CASE  
        WHEN veg_or_nonveg LIKE '%non%' THEN 1  
        END) * 100 / COUNT(*),  
        2) AS nonvegpercentage  
FROM  
    swiggy  
GROUP BY restaurant_name  
ORDER BY nonvegpercentage DESC  
LIMIT 1;
```

restaurant_name	nonvegpercentage
Donne Biryani House	100.00



```
/*WHICH TOP 5 RESTAURANT OFFERS HIGHEST NUMBER OF CATEGORIES?*/  
SELECT  
    restaurant_name,  
    COUNT(DISTINCT menu_category) AS numberofcategories  
FROM  
    swiggy  
GROUP BY restaurant_name  
ORDER BY numberofcategories DESC  
LIMIT 5;
```

restaurant_name	numberofcategories
Imperial Restaurant	39
Asha Sweet Center	37
Hotel Empire	30
Udupi Palace	30
Angat 22 - The Restaurant & Banquet	27



```
/*WHICH IS THE RESTAURANT PROVIDING THE LOWEST AVERAGE PRICE FOR ALL ITEMS?*/  
SELECT DISTINCT  
    restaurant_name, ROUND(AVG(price), 2) AS average_price  
FROM  
    swiggy  
GROUP BY restaurant_name  
ORDER BY average_price  
LIMIT 1;
```

restaurant_name	average_price
Urban Kiti	61.47



```
/* NAMES OF RESTAURANTS THAT ARE 100%  
VEGETARIAN IN ALPHABETICAL ORDER OF RESTAURANT NAME.*/  
SELECT DISTINCT  
    restaurant_name, veg_or_nonveg  
FROM  
    swiggy  
WHERE  
    veg_or_nonveg LIKE 'veg%'  
ORDER BY restaurant_name;
```

restaurant_name	veg_or_nonveg
1944 - The Hocco Kitchen	Veg
1944 The Hocco Kitchen	Veg
1947 Restaurant	Veg
24th Main	Veg
9834 The Fruit Truck	Veg
A2B Veg	Veg
Aalishan Restaurant & Caterer	Veg
Ab Chai Pe Charcha	Veg
Abhinandana Gardenia	Veg
Adina's	Veg



```
/* RESTAURANT OFFERS THE MOST No. OF ITEMS IN THE 'MAIN COURSE' CATEGORY?*/  
SELECT DISTINCT  
    restaurant_name,  
    menu_category,  
    COUNT(item) AS number_of_items  
FROM  
    swiggy  
WHERE  
    menu_category LIKE '%main%course%'  
GROUP BY restaurant_name , menu_category  
ORDER BY number_of_items DESC  
LIMIT 1;
```

restaurant_name	menu_category	number_of_items
Spice Up	Main Course	172



```
/* DETAILS OF RESTAURANTS THAT HAVE  
THE SAME NAME BUT ARE LOCATED IN DIFFERENT CITIES.*/
```

```
SELECT DISTINCT  
    s1.restaurant_name  
FROM  
    swiggy s1  
    JOIN  
    swiggy s2 ON s1.restaurant_name = s2.restaurant_name  
    AND s1.city <> s2.city;
```

restaurant_name
Subway
Mainland China
Burger King
Pizza Hut
Behrouz Biryani
McDonald's
Faasos - Wraps & Rolls
KFC
Oven Story Pizza
Sweet Truth - Cake and Desserts
Natural Ice Cream
Cafe Coffee Day
Firangi Bake



```
/* FIND THE RESTAURANTS THAT HAVE AN COST WHICH IS HIGHER
THAN THE TOTAL AVERAGE COST OF ALL RESTAURANTS TOGETHER.*/
SELECT DISTINCT
    restaurant_name, cost_per_person
FROM
    swiggy
WHERE
    cost_per_person > (SELECT
        AVG(cost_per_person)
        FROM
            swiggy);
```

restaurant_name	cost_per_person
Anjappar	600
Truffles	450
Via Milano	800
Meghana Foods	500
Anupam's Coast II Coast	1000
Mani's Dum Biryani	400
East	1000



```
/* TOP 5 MOST EXPENSIVE RESTAURANTS THAT OFFER CUISINE
OTHER THAN INDIAN CUISINE.*/
SELECT DISTINCT
    restaurant_name, cuisine, cost_per_person
FROM
    swiggy
WHERE
    cuisine NOT LIKE '%Indian%'
ORDER BY cost_per_person DESC
LIMIT 5;
```

restaurant_name	cuisine	cost_per_person
China Pearl	Chinese,Asian	1100
Chinita Real Mexican Food	Mexican	1000
Once Upon A Flame	Continental	1000
Toscana	Italian,Pizzas	1000
Mainland China	Chinese,Oriental	900



```
/* HIGHEST PRICE OF ITEM UNDER THE 'RECOMMENDED'  
MENU CATEGORY FOR EACH RESTAURANT?*/  
  
SELECT DISTINCT  
    restaurant_name,  
    menu_category,  
    MAX(price) OVER (PARTITION BY restaurant_name)  
    AS highest_price  
FROM  
    swiggy  
WHERE  
    menu_category = 'Recommended';
```

restaurant_name	menu_category	highest_price
1944 - The Hocco Kitchen	Recommended	90
1944 The Hocco Kitchen	Recommended	90
9834 The Fruit Truck	Recommended	550
A2B Veg	Recommended	80
Aalishan Restaurant & Caterer	Recommended	90
Ab Chai Pe Charcha	Recommended	99
Amazing Hydrabadi Dum Biryani	Recommended	99



```
-- WHAT IS THE AVERAGE RATING OF RESTAURANTS IN EACH CITY?  
SELECT DISTINCT  
    city,  
    ROUND(AVG(rating) OVER (PARTITION BY city), 2)  
    AS average_rating  
FROM  
    swiggy;
```

city	average_rating
Ahmedabad	4.07
Bangalore	4.12



```
-- MOST COMMON CUISINE AMONG THE RESTAURANTS

WITH cte1 AS (
    SELECT cuisine,
           COUNT(cuisine) AS numberofcuisines,
           DENSE_RANK()
             OVER (ORDER BY COUNT(cuisine) DESC) AS ranking
    FROM
        swiggy
    GROUP BY
        cuisine
)
SELECT cuisine, numberofcuisines
FROM cte1
WHERE ranking = 1;
```

cuisine	numberofcuisines
North Indian,Chinese	3098



```
-- No. OF RESTAURANTS HAVING THE WORD "PIZZA" IN THEIR NAME

SELECT
    COUNT(DISTINCT restaurant_name) AS no_rest_w_name_pizza
FROM
    swiggy
WHERE
    restaurant_name LIKE '%PIZZA%';

SELECT DISTINCT
    restaurant_name
FROM
    swiggy
WHERE
    restaurant_name LIKE '%PIZZA%';
```

no_rest_w_name_pizza
4

restaurant_name
Pizza Hut
Oven Story Pizza
Domino's Pizza
Sams Pizza



```
-- TOP 1 CITY WITH THE HIGHEST NUMBER OF RESTAURANTS?

WITH cte1 AS (
    SELECT DISTINCT city,
    COUNT(DISTINCT restaurant_name) AS rest_count,
    DENSE_RANK()
    OVER (ORDER BY COUNT(DISTINCT restaurant_name) DESC)
    AS ranking
    FROM
        swiggy
    GROUP BY
        city
)
SELECT city, rest_count
FROM cte1
WHERE
    ranking = 1;
```

city	rest_count
Bangalore	196



```
-- NUMBER OF RESTAURANTS HAVE A RATING GREATER THAN 4.5?

SELECT
    COUNT(DISTINCT restaurant_name) AS
    `NumberOfRestaurantsRating > 4.5`
FROM
    swiggy
WHERE
    rating > 4.5;
```

NumberOfRestaurantsRating > 4.5
13