

SQL CASE STUDY

SWIGGY

# Questions

01

HOW MANY RESTAURANTS HAVE A RATING GREATER THAN 4.5?






```
select count(distinct restaurant_name) as restaurant_count
from swiggy
where rating > 4.5;
```

Result Grid			Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 
	restaurant_count				
▶	13				

02

WHICH IS THE TOP 1 CITY WITH THE HIGHEST NUMBER OF RESTAURANTS?

```
select city , count(distinct restaurant_name) as restaurant_count
from swiggy
group by city
order by restaurant_count desc
limit 1;
```

Result Grid			Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 	Fetch rows: 
	city	restaurant_count				
▶	Bangalore	196				

## 03

HOW MANY RESTAURANTS HAVE THE WORD "PIZZA" IN THEIR NAME?

```
select restaurant_name , count(*) over() as cnt from (  
select distinct restaurant_name from swiggy) as x where restaurant_name like '%pizza%';
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
restaurant_name	cnt		
Pizza Hut	4		
Oven Story Pizza	4		
Domino's Pizza	4		
Sams Pizza	4		

## 04

WHAT IS THE MOST COMMON CUISINE AMONG THE RESTAURANTS IN THE DATASET?

```
select cuisine , count(cuisine) as cuisine_count  
from swiggy  
group by cuisine  
order by cuisine_count desc  
limit 1;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:	Fetch rows:
cuisine	cuisine_count			
North Indian,Chinese	3098			

05

WHAT IS THE AVERAGE RATING OF RESTAURANTS IN EACH CITY?

```
select city , round(avg(rating),2) as average_rating
from swiggy
group by city;
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	city	average_rating			
▶	Bangalore	4.12			
	Ahmedabad	4.07			

06

WHAT IS THE 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';
```

Result Grid				Filter Rows:	Export:	Wrap Cell Content:
	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			
	Amdos Kitchen	Recommended	51			
	Anand Sweets and Savouries	Recommended	190			
	Angat 22 - The Restaurant & Banquet	Recommended	315			
	Anjappar	Recommended	95			
	Art of Delight	Recommended	749			
	Asha Sweet Center	Recommended	350			
	Azad Sweets & Restaurant	Recommended	80			
	Baker'S Den	Recommended	99			
	Balista	Recommended	89			
	Baskin Robbins	Recommended	99			
	Behrouz Biryani	Recommended	999			
	Beijing Bites	Recommended	349			
	Burger King	Recommended	89			
	Burgometry	Recommended	89			
	Cafe Coffee Day	Recommended	618			
	Cafe Pascucci	Recommended	289			
	Cafe Piano - The Grand Bhagwati	Recommended	75			
	Calicut Restaurant	Recommended	255			
	Chai Pe Charcha	Recommended	99			

Result 149 ×

07

FIND THE 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 '%india%'
order by cost_per_person desc
limit 5;
```

Result Grid			
Filter Rows:		Export:	Wrap Cell Content: Fetch rows:
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	

08

FIND THE RESTAURANTS THAT HAVE AN AVERAGE 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);
```

Result Grid		
Filter Rows:		Export: Wrap Cell Content:
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	
Parika	1000	
Bangaliana	500	
Beijing Bites	450	
Noodle Bar	800	
Hotel Empire	450	
Bamey's Restro Cafe	400	
Spice Up	400	
Moti Mahal Delux	500	
24th Main	800	
Nandhana Palace	500	
Venus Restaurant	500	
Gam's Delicacy	800	
Purnabramha	850	
Lazeez	500	
Chung Wah	800	
Sichuan	500	
Nandhini Deluxe	400	
Junior Kuppanna	450	
Atthemane's Biryani Pal...	400	

09

RETRIEVE THE DETAILS OF RESTAURANTS THAT HAVE THE SAME NAME BUT ARE LOCATED IN DIFFERENT CITIES.

```
select restaurant_name , count(city) as city_count from (
select distinct restaurant_name , city from swiggy ) as x group by restaurant_name having city_count > 1;
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	restaurant_name	city_count			
▶	Subway	2			
	Burger King	2			
	Mainland China	2			
	Pizza Hut	2			
	Behrouz Biryani	2			
	KFC	2			
	Faasos - Wraps & Rolls	2			
	Oven Story Pizza	2			
	McDonald's	2			
	Natural Ice Cream	2			
	Cafe Coffee Day	2			
	Firangi Bake	2			
	Sweet Truth - Cake ...	2			

10

WHICH RESTAURANT OFFERS THE MOST NUMBER OF ITEMS IN THE 'MAIN COURSE' CATEGORY?

```
select restaurant_name , menu_category , count(distinct item) item_count
from swiggy
where menu_category = 'main course'
group by restaurant_name
order by item_count desc
limit 1;
```

Result Grid				Filter Rows:	Export:	Wrap Cell Content:	Fetch rows:
	restaurant_name	menu_category	item_count				
▶	Spice Up	Main Course	172				

11

LIST THE NAMES OF RESTAURANTS THAT ARE 100% VEGEATARIAN IN ALPHABETICAL ORDER OF RESTAURANT NAME.

```
select restaurant_name , veg_or_nonveg from (
select * , count(*) over(partition by restaurant_name) as cnt from (
select distinct restaurant_name , veg_or_nonveg from swiggy) as x ) as x where cnt < 2;
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	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			
	Ab Chai Pe Charcha	Veg			
	Adiga's	Veg			
	Alinea Restaurant & Banquet	Veg			
	Anand Sweets and Savouries	Veg			
	Angat 22 - The Restaurant ...	Veg			
	Apsara Ice Creams	Veg			
	Asha Sweet Center	Veg			
	Baker'S Den	Veg			
	Balista	Veg			
	Baskin Robbins	Veg			
	Bite Me Cupcakes	Veg			
	Bombay Kulfis	Veg			
	Burgometry	Veg			
	Cane CrussH	Veg			
	Chaat Street Express	Veg			
	Chaatimes	Veg			
	Chai Wai	Veg			

12

WHICH IS THE RESTAURANT PROVIDING THE LOWEST AVERAGE PRICE FOR ALL ITEMS?

```
select restaurant_name , round(avg(price),2) as average_price
from swiggy
group by restaurant_name
order by average_price asc
limit 1;
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:	Fetch rows:
	restaurant_name	average_price				
▶	Urban Kitli	61.47				

13

WHICH TOP 5 RESTAURANT OFFERS HIGHEST NUMBER OF CATEGORIES?

```
select restaurant_name , count(distinct menu_category) categories
from swiggy
group by restaurant_name
order by categories desc
limit 5;
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:	Fetch rows:
	restaurant_name	categories			
▶	Imperial Restaurant	39			
	Asha Sweet Center	37			
	Hotel Empire	30			
	Udupi Palace	30			
	Angat 22 - The Restaurant & Banquet	27			

14

WHICH RESTAURANT PROVIDES THE HIGHEST PERCENTAGE OF NON-VEGETARIAN FOOD?

```
with table1 as(
select restaurant_name , count(distinct item) as nv_item_count
from swiggy where veg_or_nonveg = 'non-veg' group by restaurant_name) ,
table2 as(
select restaurant_name , count(distinct item) as total_item_count
from swiggy where restaurant_name in (select restaurant_name from table1) group by restaurant_name)
select table1.restaurant_name , round(nv_item_count/total_item_count,2) * 100 as nonveg_percentage
from table1,table2 where table1.restaurant_name = table2.restaurant_name
order by nonveg_percentage desc
limit 1;
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	restaurant_name	nonveg_percentage		
▶	Donne Biryani House	100.00		