

SWIGGY

WRITING SQL
QUERIES FOR IN-
DEPTH ANALYSIS
AND STRATEGIC
DECISION-MAKING.

BY: CHINMAY SINGOLE

INTRODUCTION ...

Swiggy is India's leading online food delivery platform, founded in 2014. With its user-friendly app and extensive network of restaurant partners, Swiggy delivers meals, groceries, and essential items to millions of customers across the country. Known for its quick delivery, real-time tracking, and seamless payment options, Swiggy has revolutionized the food delivery ecosystem. Beyond food, its offerings like Swiggy Instamart and Swiggy Genie cater to diverse on-demand delivery needs, making everyday convenience a reality.

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WRITE QUERIES FOR THE FOLLOWING QUESTIONS:

1. Display all customers who live in 'Delhi'.
2. Find the average rating of all restaurants in 'Mumbai'.
3. List all customers who have placed at least one order.
4. Display the total number of orders placed by each customer.
5. Find the total revenue generated by each restaurant.
6. Find the top 5 restaurants with the highest average rating.
7. Display all customers who have never placed an order.
8. Find the number of orders placed by each customer in 'Mumbai'.
9. Display all orders placed in the last 30 days.
10. List all delivery partners who have completed more than 1 delivery
11. Find the customers who have placed orders on exactly three different days.
12. Find the delivery partner who has worked with the most different customers.
13. Identify customers who have the same city and have placed orders at the same restaurants, but on different dates.

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#Display all customers who live in 'Delhi'.

SELECT
 customer_id, name
FROM
 customers
WHERE
 city = 'Delhi';



customer_id	name
2	Rohini Verma
5	Manish Kumar
18	Sonali Mishra
32	Rohini Verma
35	Manish Kumar
48	Sonali Mishra
HULL	HULL

#Find the average rating of all restaurants in 'Mumbai'.

```
SELECT  
    AVG(rating) AS avg_ratings  
FROM  
    restaurants  
WHERE  
    city = 'Mumbai';
```



Result Grid | Filter Rows: Export:

avg_ratings
4.300000



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#List all customers who have placed at least one order.

```
SELECT DISTINCT  
    customers.customer_id, customers.name  
FROM  
    customers  
    INNER JOIN  
    orders ON customers.customer_id = orders.customer_id;
```



customer_id	name
1	Amit Sharma
2	Rohini Verma
3	Rajesh Gupta
4	Sneha Mehta
5	Manish Kumar
6	Priya Singh
7	Vikas Reddy
8	Anjali Patel
9	Suresh Nair
10	Kavita Deshmukh
11	Vivek Bhatt
12	Meera Joshi
13	Pankaj Jain
14	Nidhi Saxena
15	Ashok Kumar
16	Deepa Rao
17	Karan Kapoor
18	Sonali Mishra
19	Arjun Desai
20	Shweta Bansal
21	Rahul Chatterjee
22	Neha Kaushik
23	Ravi Singh

#Display the total number of orders placed by each customer.

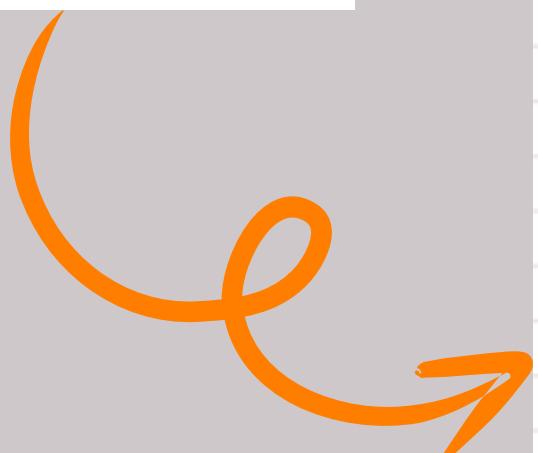
```
SELECT  
    customers.customer_id,  
    customers.name,  
    COUNT(orders.order_id) total_orders  
FROM  
    customers  
        LEFT JOIN  
    orders ON customers.customer_id = orders.customer_id  
GROUP BY customers.customer_id , customers.name;
```



customer_id	name	total_orders
1	Amit Sharma	2
2	Rohini Verma	3
3	Rajesh Gupta	3
4	Sneha Mehta	2
5	Manish Kumar	4
6	Priya Singh	3
7	Vikas Reddy	3
8	Anjali Patel	3
9	Suresh Nair	1
10	Kavita Deshmukh	2
11	Vivek Bhatt	2
12	Meera Joshi	2
13	Pankaj Jain	2
14	Nidhi Saxena	3
15	Ashok Kumar	3
16	Deepa Rao	2
17	Karan Kapoor	1
18	Sonali Mishra	3
19	Arjun Desai	2
20	Shweta Bansal	2
21	Rahul Chatterjee	2
22	Neha Kaushik	2
23	Ravi Singh	2
24	Sonal Kaur	0
25	Vivek Malhotra	0
26	Divya Iyer	0
27	Rakesh Yadav	0
28	Mona Sharma	0

#Find the total revenue generated by each restaurant.

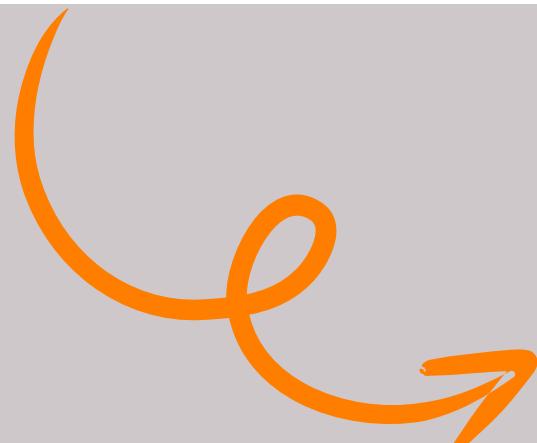
```
SELECT
    restaurants.restaurant_id,
    restaurants.name,
    COALESCE(SUM(orders.total_amount), 0) AS revenue
FROM
    restaurants
        LEFT JOIN
    orders ON restaurants.restaurant_id = orders.restaurant_id
GROUP BY restaurants.restaurant_id , restaurants.name;
```



restaurant_id	name	revenue
1	Spice of India	1100.00
2	Tandoori Flames	1200.00
3	Biryani House	5300.00
4	Curry Pot	3200.00
5	Taste of Punjab	600.00
6	Royal Biryani	650.00
7	Coastal Delight	2100.00
8	Veggie Delight	1600.00
9	Gujarat Express	2550.00
10	Andhra Spice	4050.00
11	Punjabi Tadka	900.00
12	Flavours of Ben...	4050.00
13	South Treat	2950.00
14	The Great India...	1600.00
15	Rajasthani Rasoi	2100.00
16	Kerala Kitchen	950.00
17	Chaat Junction	2150.00
18	Maharashtrian ...	2050.00
19	Awadhi Zaika	4150.00
20	Bombay Bhel	0.00
21	Saffron Spice	0.00
22	Paradise Biryani	0.00
23	Tamil Treat	0.00
24	Bengali Bhuri Bhoj	0.00
25	Udupi Palace	0.00
26	Shahi Dawat	0.00
27	Marwari Bhojan...	0.00
28	Fish Fry	0.00

#Find the top 5 restaurants with the highest average rating.

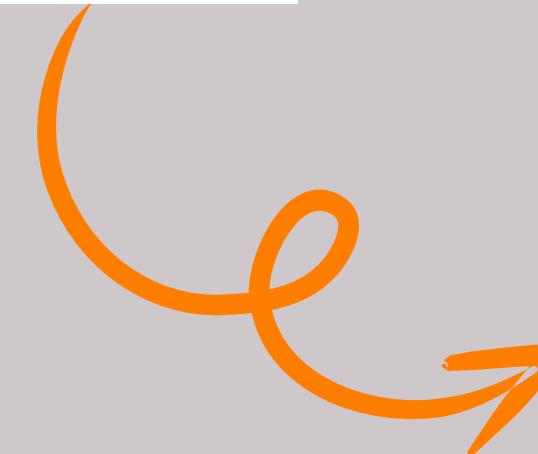
```
SELECT  
    restaurant_id, name, AVG(rating) avg_rating  
FROM  
    restaurants  
GROUP BY restaurant_id , name  
ORDER BY avg_rating DESC  
LIMIT 5;
```



restaurant_id	name	avg_rating
3	Biryani House	4.800000
22	Paradise Biryani	4.800000
30	Lucknowi Nawabi	4.700000
6	Royal Biryani	4.700000
12	Flavours of Bengal	4.600000

#Display all customers who have never placed an order.

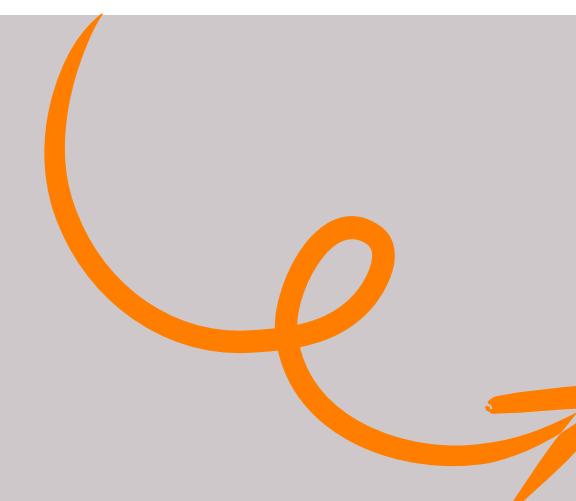
```
select customers.customer_id, customers.name  
from customers left join orders  
on customers.customer_id = orders.customer_id  
where orders.customer_id is null;
```



customer_id	name
24	Sonal Kaur
25	Vivek Malhotra
26	Divya Iyer
27	Rakesh Yadav
28	Mona Sharma
29	Sudha Pillai
30	Gaurav Khanna
31	Amit Sharma
32	Rohini Verma
33	Rajesh Gupta
34	Sneha Mehta
35	Manish Kumar
36	Priya Singh
37	Vikas Reddy
38	Anjali Patel
39	Suresh Nair
40	Kavita Deshmukh
41	Vivek Bhatt
42	Meera Joshi
43	Pankaj Jain
44	Nidhi Saxena
45	Ashok Kumar
46	Deepa Rao
47	Karan Kapoor
48	Sonali Mishra
49	Arjun Desai
50	Shweta Bansal
51	Rahul Chatterjee

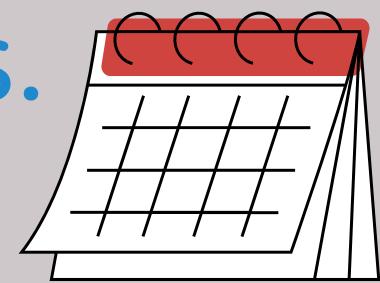
#Find the number of orders placed by each customer in 'Mumbai'.

```
select customers.customer_id,customers.name,  
count(orders.order_id) total_orders from customers left join orders  
on orders.customer_id = customers.customer_id  
where customers.city = "Mumbai"  
group by customers.customer_id, customers.name;
```



customer_id	name	total_orders
1	Amit Sharma	2
3	Rajesh Gupta	3
19	Arjun Desai	2
23	Ravi Singh	2
31	Amit Sharma	0
33	Rajesh Gupta	0
49	Arjun Desai	0
53	Ravi Singh	0

#Display all orders placed in the last 30 days.



```
select * from orders  
where order_date >= curdate() - interval 30 day;
```

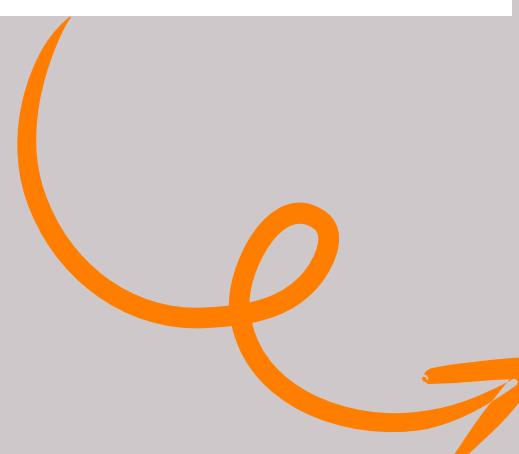


order_id	customer_id	restaurant_id	order_date	total_amount	status
NUL	NUL	NUL	NUL	NUL	NUL

BY: CHINMAY SINGOLE

List all delivery partners who have completed more than 1 delivery

```
SELECT DISTINCT  
    deliverypartners.partner_id, deliverypartners.name  
FROM  
    deliverypartners  
        JOIN  
    orderdelivery ON deliverypartners.partner_id = orderdelivery.partner_id  
        JOIN  
    deliveryupdates ON orderdelivery.order_delivery_id = deliveryupdates.delivery_id  
WHERE  
    deliveryupdates.status = 'Delivered';
```



partner_id	name
4	Suresh Reddy
3	Priya Patel
5	Anita Desai
7	Sonia Agarwal
2	Ravi Kumar
12	Reena Rao
18	Meera Gupta
10	Kiran Mehta
1	Amit Sharma
6	Rajesh Gupta

#Find the customers who have placed orders on exactly three different days.

```
SELECT  
    customers.customer_id,  
    customers.name,  
    COUNT(orders.order_date)  
FROM  
    customers  
        JOIN  
    orders ON customers.customer_id = orders.customer_id  
GROUP BY customers.customer_id , customers.name  
HAVING COUNT(DISTINCT orders.order_date) = 3;
```



customer_id	name	COUNT(orders.order_date)
2	Rohini Verma	3
6	Priya Singh	3
8	Anjali Patel	3
14	Nidhi Saxena	3
15	Ashok Kumar	3
18	Sonali Mishra	3

#Find the delivery partner who has worked with the most different customers.

```
SELECT
    deliverypartners.partner_id,
    deliverypartners.name,
    COUNT(DISTINCT orders.customer_id) customer_count
FROM
    deliverypartners
        JOIN
    orderdelivery ON deliverypartners.partner_id = orderdelivery.partner_id
        JOIN
    orders ON orderdelivery.order_id = orders.order_id
GROUP BY deliverypartners.partner_id , deliverypartners.name
ORDER BY customer_count DESC
LIMIT 1;
```



partner_id	name	customer_count
4	Suresh Reddy	6

Identify customers who have the same city and have placed orders at the same restaurants, but on different dates.

```
SELECT
    c1.name AS customer1,
    c2.name AS customer2,
    c1.city AS city1,
    c2.city AS c2,
    restaurants.name
FROM
    customers AS c1
        JOIN
    orders AS o1 ON c1.customer_id = o1.customer_id
        JOIN
    orders AS o2 ON o2.restaurant_id = o1.restaurant_id
        JOIN
    customers AS c2 ON c1.city = c2.city AND c1.name <> c2.name
                    AND o2.customer_id = c2.customer_id
        JOIN
    restaurants ON o1.restaurant_id = restaurants.restaurant_id
WHERE
    o1.order_date <> o2.order_date;
```



customer1	customer2	city1	c2	name
Manish Kumar	Sonali Mishra	Delhi	Delhi	Biryani House
Sonali Mishra	Manish Kumar	Delhi	Delhi	Biryani House
Sonali Mishra	Manish Kumar	Delhi	Delhi	Biryani House
Arjun Desai	Ravi Singh	Mumbai	Mumbai	Veggie Delight
Manish Kumar	Sonali Mishra	Delhi	Delhi	Biryani House
Ravi Singh	Arjun Desai	Mumbai	Mumbai	Veggie Delight

Thank you...

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