



swiggy

ADVANCED SQL PROJECT

PRESENTED BY - BHUVAN JARI

INTRODUCTION

In 2011, Sriharsha Majety and Nandan Reddy designed an e-commerce website called Bundl to facilitate courier service and shipping within India. Bundl was halted in 2014 and rebranded to enter the food delivery market. Majety and Reddy approached Rahul Jaimini, formerly with Myntra, and founded Swiggy in August 2014.

Swiggy is an Indian online food ordering and delivery company. Founded in 2014, Swiggy is headquartered in Bangalore and operates in more than 580 Indian cities, as of July 2023. Besides food delivery, the platform also provides quick commerce services under the name Swiggy Instamart, and same-day package deliveries with Swiggy Genie.



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.

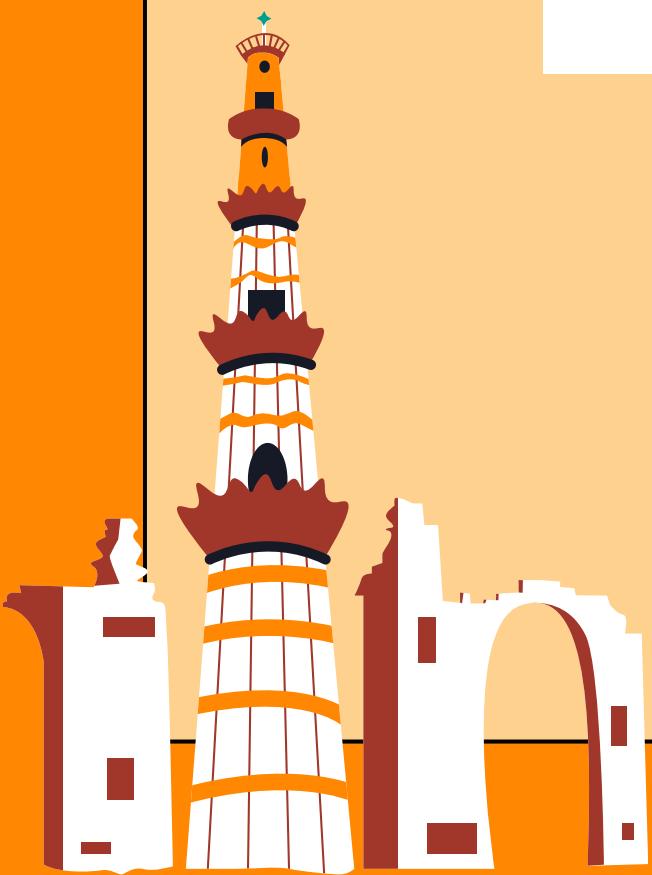
DISPLAY ALL CUSTOMERS WHO LIVE IN 'DELHI'.

SYNTAX

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



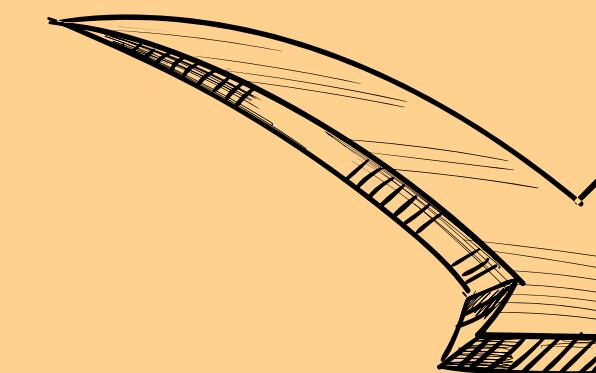
	customer_id	name
▶	2	Rohini Verma
	5	Manish Kumar
	18	Sonali Mishra
	HULL	HULL



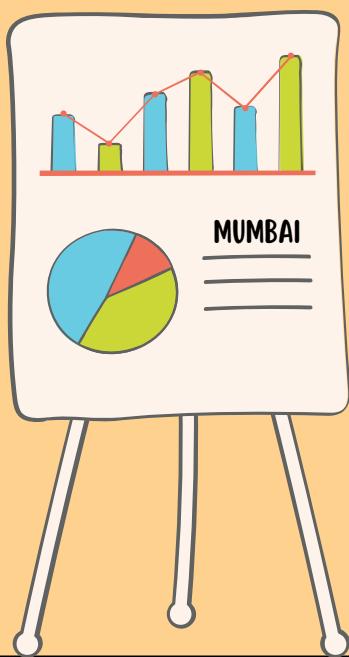
FIND THE AVERAGE RATING OF ALL RESTAURANTS IN 'MUMBAI'.

SYNTAX

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



	avg_ratings
▶	4.30



LIST ALL CUSTOMERS WHO HAVE PLACED AT LEAST ONE ORDER.

SYNTAX

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



	customer_id	name
▶	30	Gaurav Khanna
	29	Sudha Pillai
	28	Mona Sharma
	27	Rakesh Yadav
	26	Divya Iyer
	25	Vivek Malhotra
	24	Sonal Kaur
	23	Ravi Singh
	22	Neha Kaushik



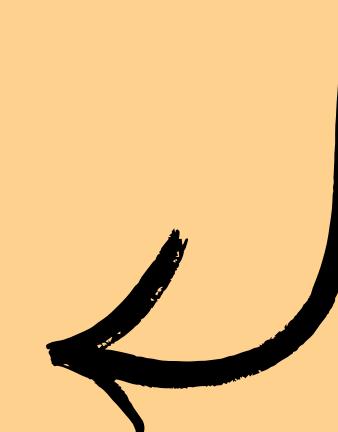
DISPLAY THE TOTAL NUMBER OF ORDERS PLACED BY EACH CUSTOMER.



SYNTAX

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

	customer_id	name	count(orders.order_id)
▶	1	Amit Sharma	54
	2	Rohini Verma	54
	3	Rajesh Gupta	54
	4	Sneha Mehta	54
	5	Manish Kumar	54
	6	Priya Singh	54
	7	Vikas Reddy	54
		Total	378



FIND THE TOTAL REVENUE GENERATED BY EACH RESTAURANT.

SYNTAX

```
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 restaurant_id , restaurants.name;
```



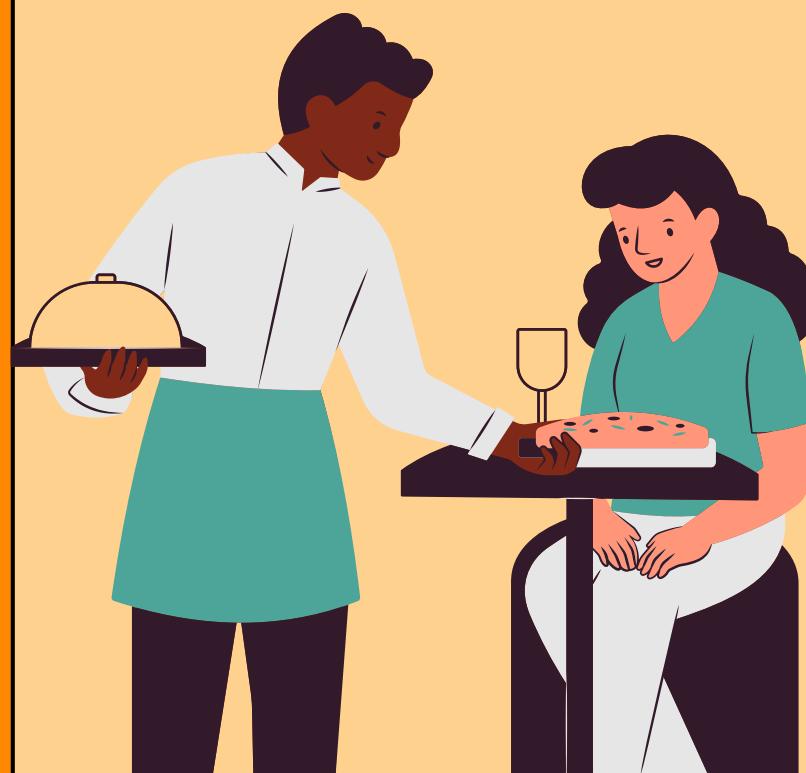
	restaurant_id	name	revenue
▶	1	Spice of India	1100.00
	2	Tandoori Flames	1200.00
	3	Biryani House	5300.00
	4	Curry Pot	3200.00
	5	Taste of Punjab	600.00
	6	Royal Biryani	650.00
	7	Coastal Delight	2100.00
	8	Veggie Delight	1600.00
	9	Gujarat Express	2550.00

FIND THE TOP 5 RESTAURANTS WITH THE HIGHEST AVERAGE RATING.

SYNTAX

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

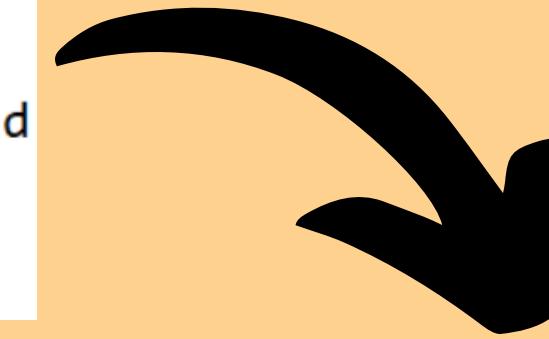
	restaurant_id	name	avg_rating
▶	3	Biryani House	4.800000
	22	Paradise Biryani	4.800000
	30	Lucknowi Nawabi	4.700000
	6	Royal Biryani	4.700000
	12	Flavours of Bengal	4.600000



DISPLAY ALL CUSTOMERS WHO HAVE NEVER PLACED AN ORDER.

SYNTAX

```
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	count(orders.order_id)
▶	24	Sonal Kaur	0
	25	Vivek Malhotra	0
	26	Divya Iyer	0
	27	Rakesh Yadav	0
	28	Mona Sharma	0
	29	Sudha Pillai	0
	30	Gaurav Khanna	0

FIND THE NUMBER OF ORDERS PLACED BY EACH CUSTOMER IN 'MUMBAI'.

SYNTAX

```
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

Mumbai

DISPLAY ALL ORDERS PLACED IN THE LAST 30 DAYS.

SYNTAX

```
SELECT  
*  
FROM  
orders  
WHERE  
order_date >= CURDATE() - INTERVAL 30 DAY;
```



	order_id	customer_id	restaurant_id	order_date	total_amount	status
*	NULL	NULL	NULL	NULL	NULL	NULL

LIST ALL DELIVERY PARTNERS WHO HAVE COMPLETED MORE THAN 1 DELIVERY.

SYNTAX

```
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

FIND THE CUSTOMERS WHO HAVE PLACED ORDERS ON EXACTLY THREE DIFFERENT DAYS.

SYNTAX

```
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;
```

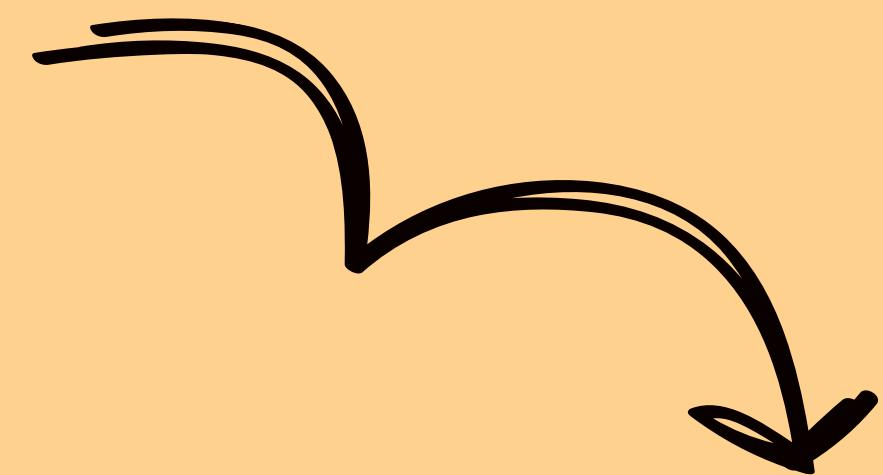


	customer_id	name	count(orders.order_date)
▶	2	Rohini Verma	3
	6	Priya Singh	3
	8	Anjali Patel	3
	14	Nidhi Saxena	3
	15	Ashok Kumar	3
	18	Sonali Mishra	3

FIND THE DELIVERY PARTNER WHO HAS WORKED WITH THE MOST DIFFERENT CUSTOMERS.

SYNTAX

```
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;
```

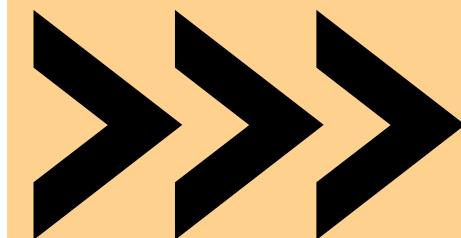


	partner_id	name	customer_count
▶	4	Suresh Reddy	6

IDENTIFY CUSTOMERS WHO HAVE THE SAME CITY AND HAVE PLACED ORDERS AT THE SAME RESTAURANTS, BUT ON DIFFERENT DATES.

SYNTAX

```
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





SWIGGY

THANK YOU

IF YOU FIND THIS HELPFUL,

PLEASE LIKE AND SHARE

IT WITH YOUR FRIENDS

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