Swiggy Mysql Project

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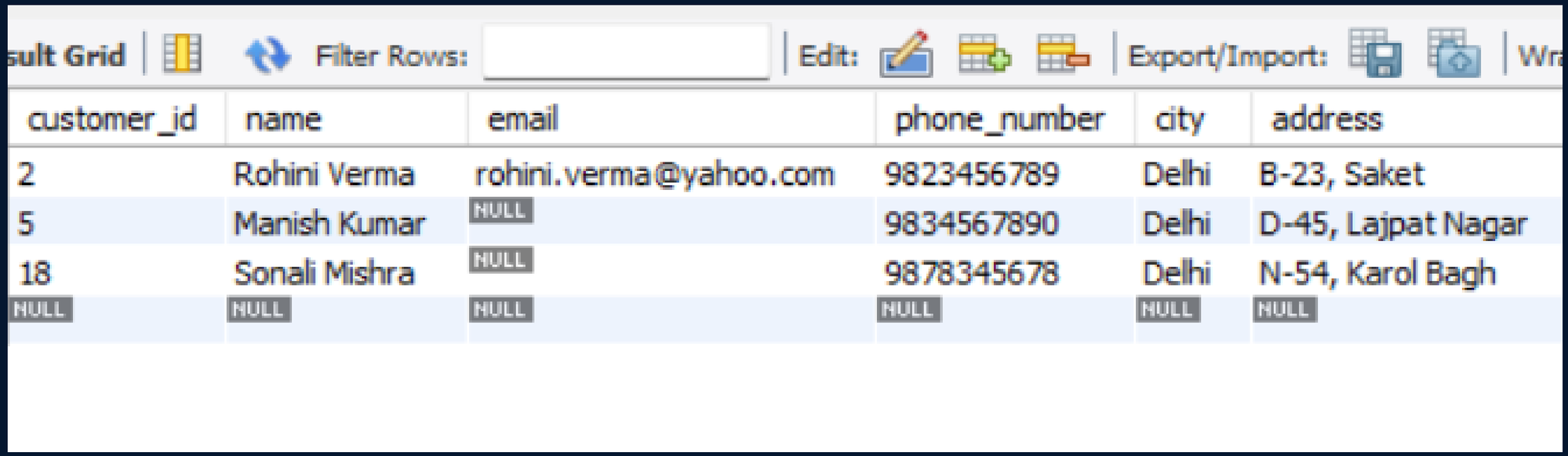
Write queries for the following questions:

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.

1. Display all customers who live in 'Delhi'.

```
#--Display all customers who live in 'Delhi'.
SELECT * FROM swiggydb.customers;
SELECT
    *
FROM
    customers
WHERE
    city = 'delhi';
```



sult Grid | Filter Rows: | Edit: | Export/Import: | Wra

customer_id	name	email	phone_number	city	address
2	Rohini Verma	rohini.verma@yahoo.com	9823456789	Delhi	B-23, Saket
5	Manish Kumar	NULL	9834567890	Delhi	D-45, Lajpat Nagar
18	Sonali Mishra	NULL	9878345678	Delhi	N-54, Karol Bagh
NULL	NULL	NULL	NULL	NULL	NULL

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

```
SELECT * FROM swiggydb.restaurants;
#--Find the average rating of all
restaurants in 'Mumbai'.
SELECT
    city, AVG(rating)
FROM
    restaurants
WHERE
    city = 'mumbai'
GROUP BY city;orders
```

Result Grid | Filter Rows:

city	AVG(rating)
Mumbai	4.300000

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

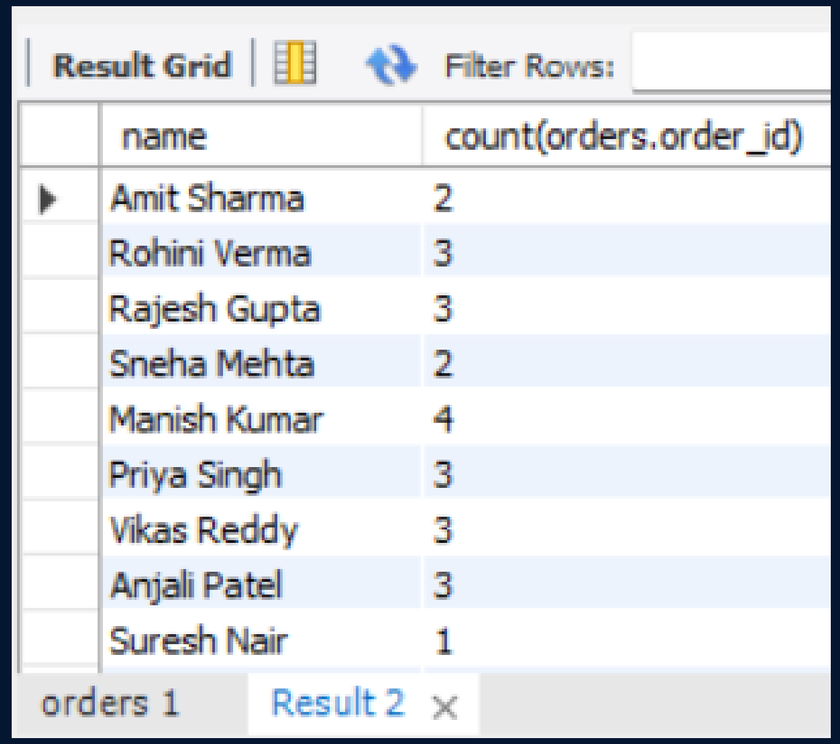
```
SELECT * FROM swiggydb.customers;
-- List all customers who have placed at least one order.
SELECT DISTINCT
    customers.name
FROM
    customers
        INNER JOIN
    orders ON customers.customer_id = orders.customer_id;
   --  Display the total number of orders placed by each customer.
```

Result Grid | Filter Rows:

name
Amit Sharma
Rohini Verma
Rajesh Gupta
Sneha Mehta
Manish Kumar
Priya Singh

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

```
SELECT * FROM swiggydb.orders;
-- Display the total number of orders placed by
each customer.
SELECT
    customers.name, count(orders.order_id)
FROM
    customers
        left JOIN
            orders ON customers.customer_id =
orders.customer_id
    group by customers.name;
```



Result Grid | Filter Rows:

name	count(orders.order_id)
Amit Sharma	2
Rohini Verma	3
Rajesh Gupta	3
Sneha Mehta	2
Manish Kumar	4
Priya Singh	3
Vikas Reddy	3
Anjali Patel	3
Suresh Nair	1

orders 1 | Result 2

5. Find the total revenue generated by each restaurant.

```
    LECT * FROM swiggydb.orders;
-- Find the total revenue generated by each
restauran
SELECT
                                    restaurants.name,
SUM(orders.total_amount)
FROM
    restaurants
        LEFT JOIN
            orders ON orders.restaurant_id =
restaurants.restaurant_id
GROUP BY restaurants.name;
```

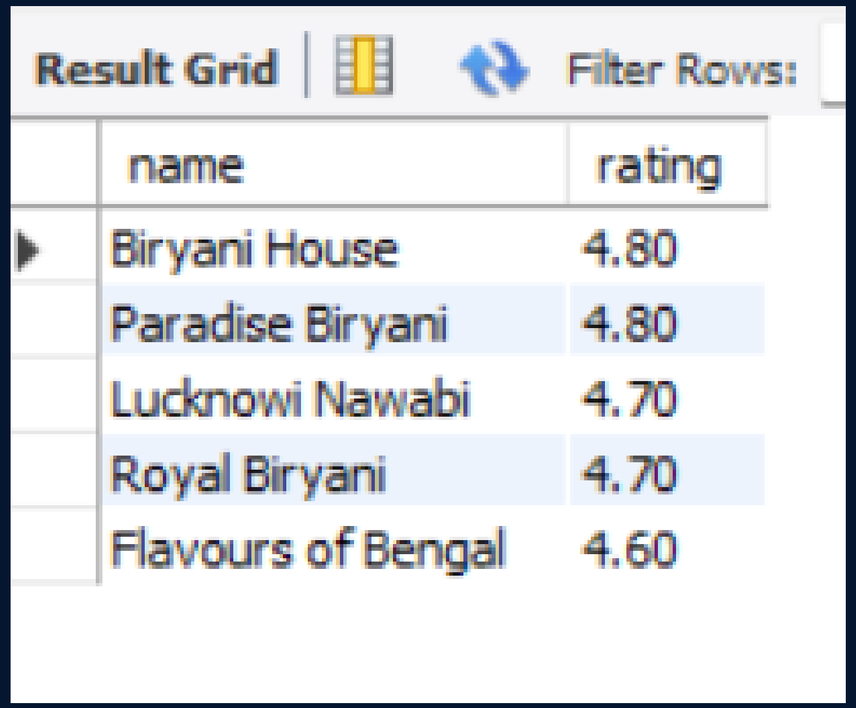
Result Grid | Filter Rows:

name	SUM(orders.total_amount)
Spice of India	1100.00
Tandoori Flames	1200.00
Biryani House	5300.00
Curry Pot	3200.00
Taste of Punjab	600.00
Royal Biryani	650.00
Coastal Delight	2100.00
Veggie Delight	1600.00
Gujarat Express	2550.00

orders 1 | Result 2

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

```
SELECT * FROM
swiggydb.restaurants;
-- Find the top 5 restaurants with the
highest average rating.
SELECT
    name, rating
FROM
    restaurants
ORDER BY rating DESC
LIMIT 5;
```

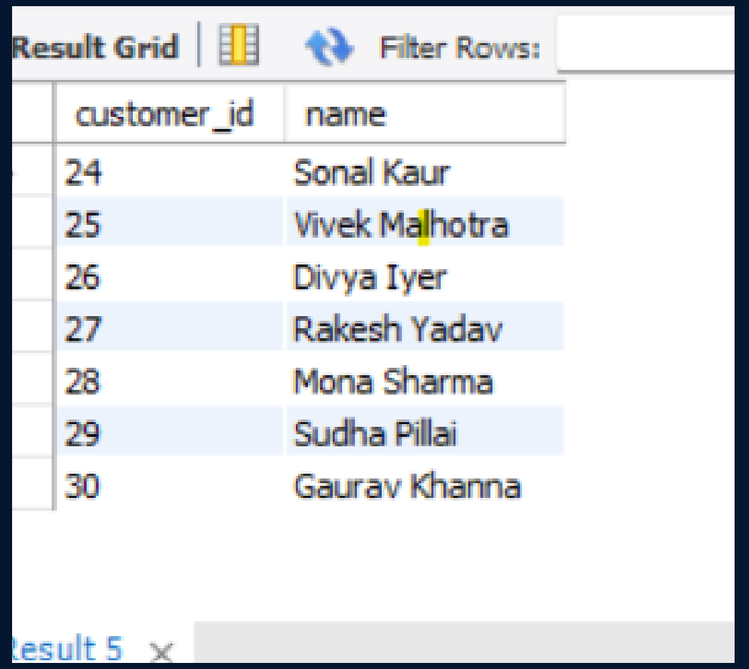


Result Grid | Filter Rows:

name	rating
Biryani House	4.80
Paradise Biryani	4.80
Lucknowi Nawabi	4.70
Royal Biryani	4.70
Flavours of Bengal	4.60

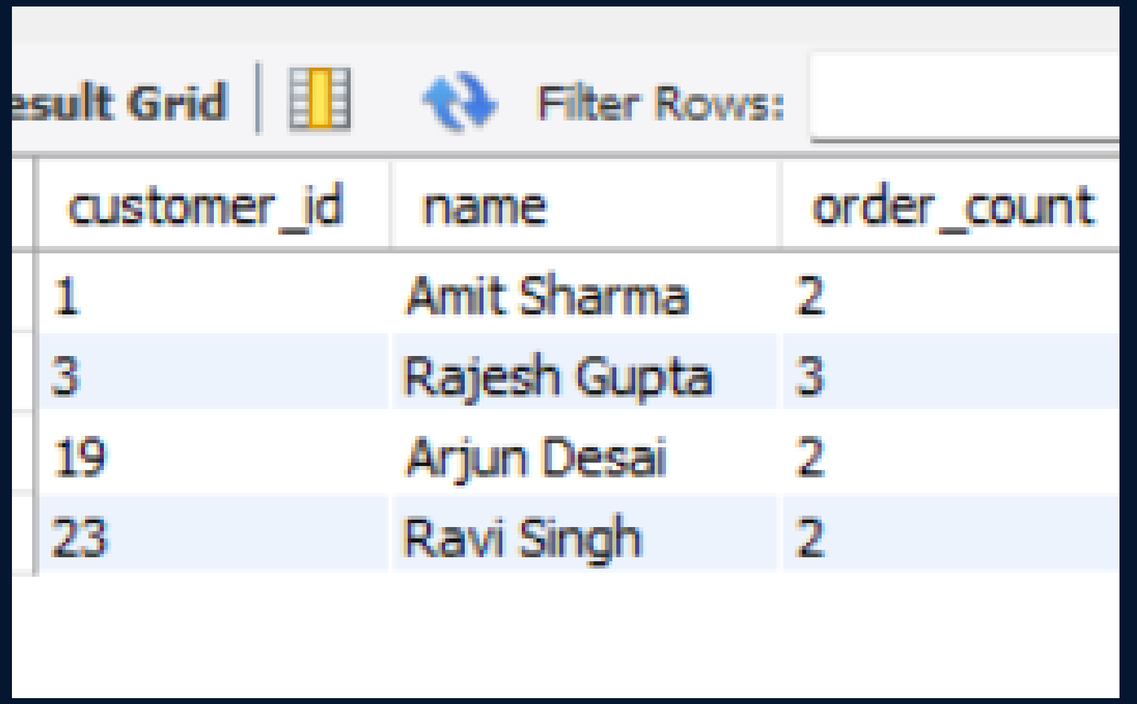
7. Display all customers who have never placed an order.

```
-- 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.order_id IS NULL;
```



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

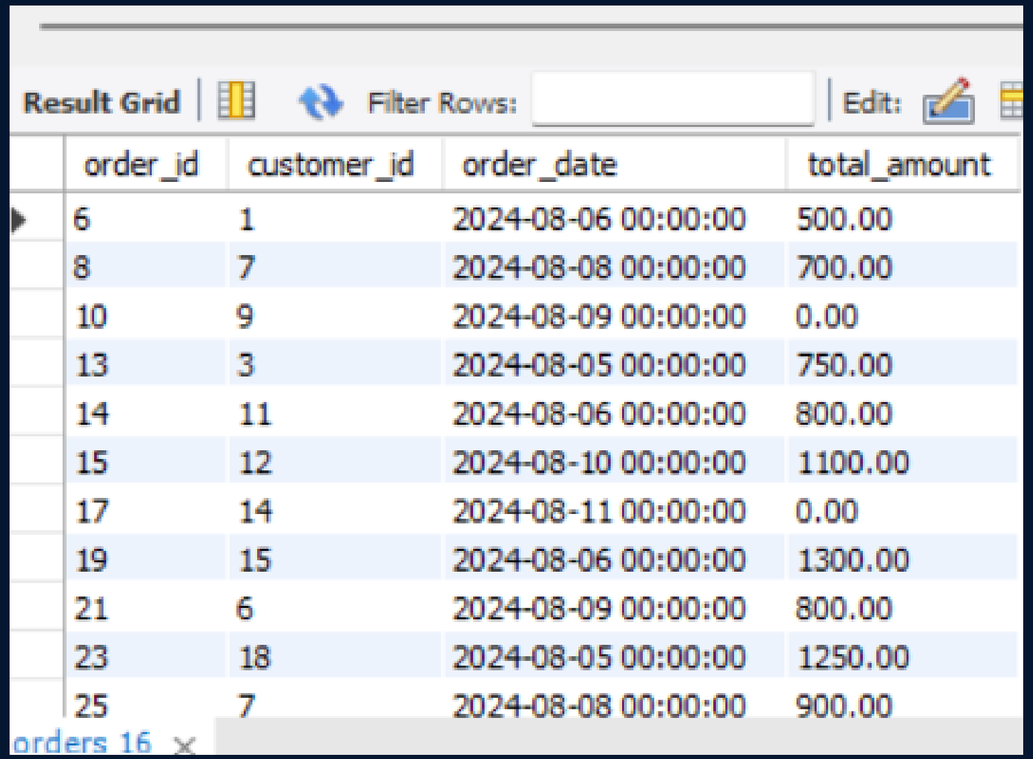
```
-- Find the number of orders placed by each customer
in 'Mumbai'.
    SELECT
    customers.customer_id,
    customers.name,
    COUNT(orders.order_id) AS order_count
FROM
    customers
JOIN
    orders
ON
    customers.customer_id = orders.customer_id
WHERE
    customers.city = 'Mumbai'
GROUP BY
    customers.customer_id,
    customers.name;
```



customer_id	name	order_count
1	Amit Sharma	2
3	Rajesh Gupta	3
19	Arjun Desai	2
23	Ravi Singh	2

9.Display all orders placed in the last 30 days

```
-- Display all orders placed in the last 30 days
SELECT
    order_id,
    customer_id,
    order_date,
    total_amount
FROM
    orders
WHERE
    order_date >= NOW() - INTERVAL 30 DAY;
```



Result Grid | Filter Rows: | Edit:

order_id	customer_id	order_date	total_amount
6	1	2024-08-06 00:00:00	500.00
8	7	2024-08-08 00:00:00	700.00
10	9	2024-08-09 00:00:00	0.00
13	3	2024-08-05 00:00:00	750.00
14	11	2024-08-06 00:00:00	800.00
15	12	2024-08-10 00:00:00	1100.00
17	14	2024-08-11 00:00:00	0.00
19	15	2024-08-06 00:00:00	1300.00
21	6	2024-08-09 00:00:00	800.00
23	18	2024-08-05 00:00:00	1250.00
25	7	2024-08-08 00:00:00	900.00

orders 16

10.List all delivery partners who have completed more than 1 delivery

```
-- List all delivery partners who have completed more than 1 delivery
SELECT
    deliverypartners.name, COUNT(orderdelivery.order_id)
FROM
    deliverypartners
        JOIN
            orderdelivery ON deliverypartners.partner_id = orderdelivery.partner_id
        JOIN
            deliveryupdates ON deliveryupdates.order_id = orderdelivery.order_id
WHERE
    deliveryupdates.status <> 'failed'
GROUP BY deliverypartners.name
HAVING COUNT(orderdelivery.order_id) > 1;
```

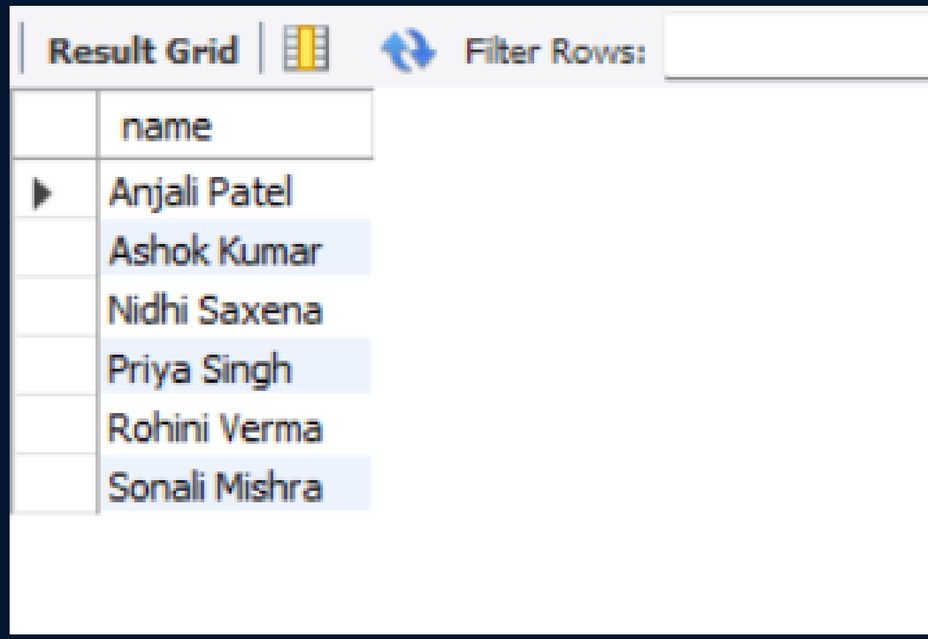
Result Grid | Filter Rows:

name	COUNT(orderdelivery.order_id)
Suresh Reddy	5
Anita Desai	3
Rajesh Gupta	3
Priya Patel	2
Amit Sharma	2
Sonia Agarwal	3
Ravi Kumar	3
Reena Rao	2
Vikram Singh	2
Mohit Saini	2

Result 3

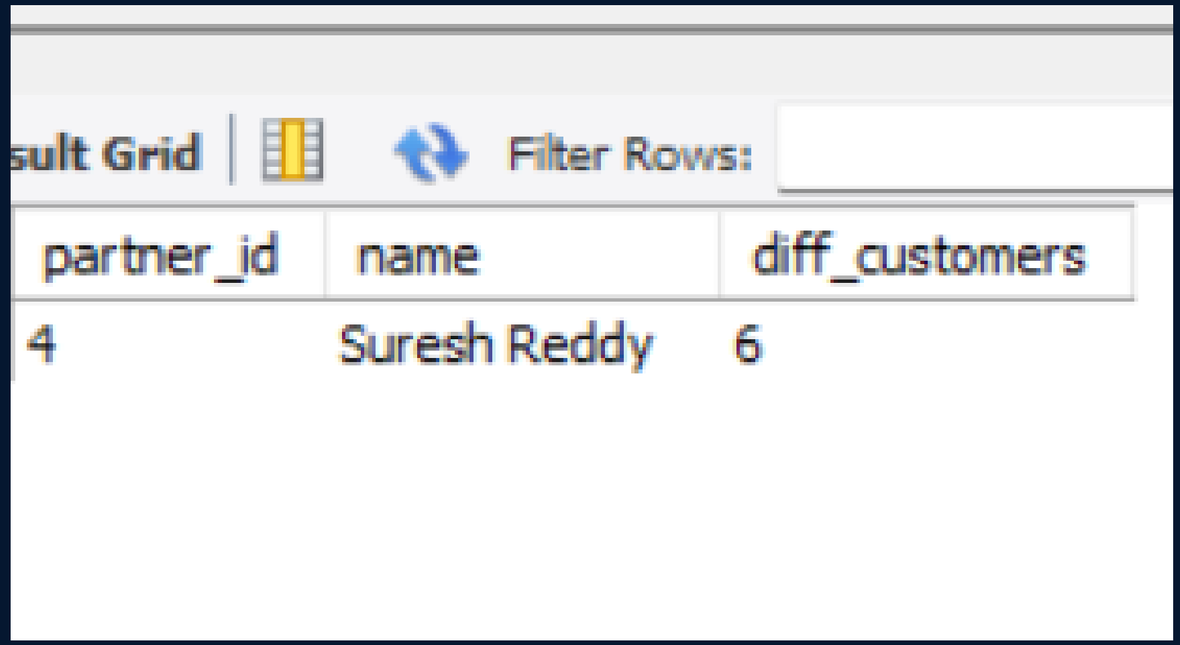
11.Find the customers who have placed orders on exactly three different days.

```
-- Find the customers who have placed orders
on exactly three different days.
select customers.name
from customers
join orders on
orders.customer_id=customers.customer_id
group by customers.name
having count(distinct order_date)=3;
```



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

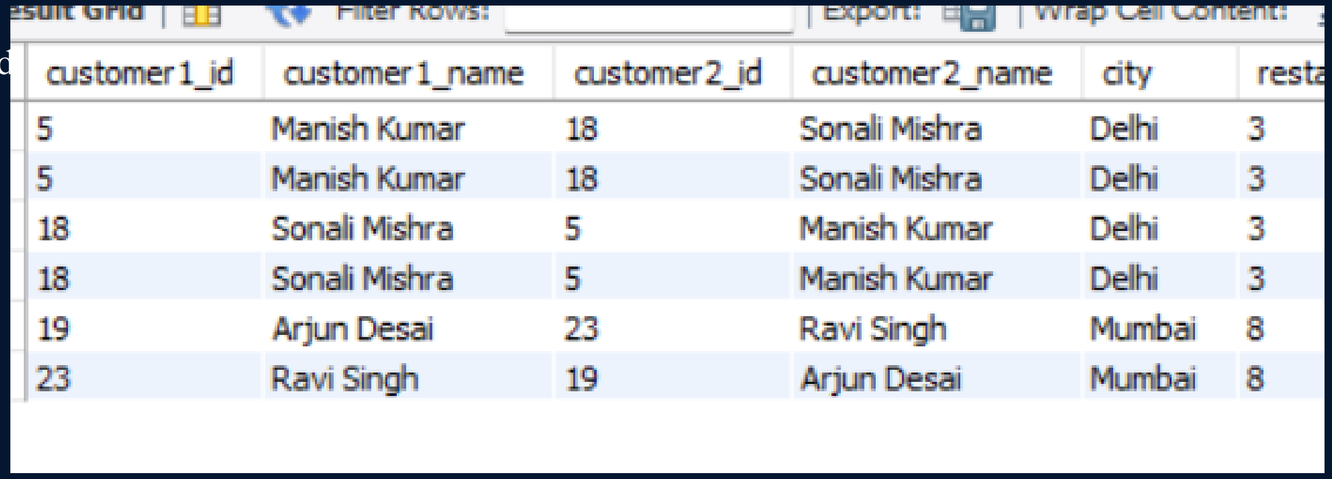
```
-- Find the delivery partner who has worked with the most
different customers.
SELECT
    deliverypartners.partner_id,
    deliverypartners.name,
    COUNT(DISTINCT orders.customer_id) AS diff_customers
FROM
    deliverypartners
JOIN
    orderdelivery ON deliverypartners.partner_id =
orderdelivery.partner_id
JOIN
    orders ON orderdelivery.order_id = orders.order_id
GROUP BY
    deliverypartners.partner_id,
    deliverypartners.name
ORDER BY
    diff_customers DESC
LIMIT 1;
```



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

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

SELECT
    c1.customer_id AS customer1_id,
    c1.name AS customer1_name,
    c2.customer_id AS customer2_id,
    c2.name AS customer2_name,
    c1.city,
    o1.restaurant_id
FROM
    customers c1
JOIN
    orders o1 ON c1.customer_id = o1.customer_id
JOIN
        customers c2 ON c1.city = c2.city AND c1.customer_id
c2.customer_id
JOIN
    orders o2 ON c2.customer_id = o2.customer_id
          AND o1.restaurant_id = o2.restaurant_id
WHERE
    o1.order_date <> o2.order_date
ORDER BY
    c1.city, o1.restaurant_id, c1.customer_id;
```



customer1_id	customer1_name	customer2_id	customer2_name	city	resta
5	Manish Kumar	18	Sonali Mishra	Delhi	3
5	Manish Kumar	18	Sonali Mishra	Delhi	3
18	Sonali Mishra	5	Manish Kumar	Delhi	3
18	Sonali Mishra	5	Manish Kumar	Delhi	3
19	Arjun Desai	23	Ravi Singh	Mumbai	8
23	Ravi Singh	19	Arjun Desai	Mumbai	8

THANK YOU!