```sql
##################################################
-- 1. Find customers who have never ordered
USE ZOMATO;

SELECT name FROM users_7
where user_id NOT IN (SELECT user_id FROM orders);
##################################################
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

name
Anupama
Rishabh

```sql
-- 2. Average Price/dish
SELECT f.f_name,AVG(price) FROM menu m
JOIN food f
ON f.f_id=m.f_id
GROUP BY f.f_name;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

f_name	AVG(price)
Non-veg Pizza	450.0000
Veg Pizza	400.0000
Choco Lava cake	98.3333
Chicken Wings	230.0000
Chicken Popcorn	300.0000
Rice Meal	213.3333
Roti meal	140.0000
Masala Dosa	180.0000
Rava Idli	120.0000
Schezwan Noodles	220.0000
Veg Manchurian	180.0000

```sql
-- 3. Find the top restaurant in terms of the number of orders for a given month
-- for month june
SELECT r.r_name,count(o.r_id) FROM orders o
JOIN restaurants r
ON o.r_id=r.r_id
WHERE MONTHNAME(date) LIKE 'june'
GROUP BY r.r_name
ORDER BY count(o.r_id) DESC
LIMIT 1;
```

ult Grid | Filter Rows: | Export: | Wrap Cell Content:

r_name	count(o.r_id)
kfc	3

```sql
50  -- 4. restaurants with monthly sales greater than x for
51  SELECT r.r_name,SUM(amount) As 'Revenue'FROM orders o
52  JOIN restaurants r
53  ON o.r_id=r.r_id
54  WHERE MONTHNAME(date) LIKE 'JUNE'
55  GROUP BY r.r_name
56  HAVING Revenue>500;
57
58  ##########################################################
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

r_name	Revenue
dominos	950
kfc	990

```sql
-- 5. Show all orders with order details for a particular customer in a particular date range


SELECT
    u.user_id,
    u.name,
    COUNT(o.order_id) AS order_count
FROM
    users_7 AS u
JOIN
    orders AS o ON u.user_id = o.user_id
WHERE
    o.date > "2022-05-15" AND o.date < "2022-06-15"
GROUP BY
    u.user_id, u.name;

########################################
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

user_id	name	order_count
1	Nitish	1
2	Khushboo	1
3	Vartika	3
4	Ankit	1

```sql
-- 6. Find restaurants with max repeated customers

SELECT r.r_name, COUNT(*) AS loyal_customers
FROM (
    SELECT r_id, user_id, COUNT(*) AS visits
    FROM orders
    GROUP BY r_id, user_id
    HAVING visits > 1
) t
JOIN restaurants r ON r.r_id = t.r_id
GROUP BY r.r_id, r.r_name
ORDER BY loyal_customers DESC
LIMIT 1;

##################################################
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

r_name	loyal_customers
kfc	2

```sql
-- 7. Month over month revenue growth of swiggy
WITH sales AS (
    SELECT
        MONTH(date) AS month_num,
        MONTHNAME(date) AS month,
        SUM(amount) AS revenue
    FROM orders
    GROUP BY month_num, month
    ORDER BY month_num
)
SELECT
    month,
    revenue,
    LAG(revenue) OVER (ORDER BY month_num) AS prev,
    ((revenue - LAG(revenue) OVER (ORDER BY month_num)) / LAG(revenue) OVER (ORDER BY month_num)) * 100 AS growth
FROM sales;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

r_name	loyal_customers
kfc	2

```sql
-- 8. Customer - favorite food
WITH temp AS (
    SELECT o.user_id, od.f_id, COUNT(*) AS frequency
    FROM orders o
    JOIN order_details od ON o.order_id = od.order_id
    GROUP BY o.user_id, od.f_id
)

SELECT u.name,f.f_name
FROM temp t1
JOIN users u
ON u.user_id=t1.user_id
JOIN food f
ON f.f_id=t1.f_id
WHERE t1.frequency = (
    SELECT MAX(t2.frequency)
    FROM temp t2
    WHERE t2.user_id = t1.user_id
);
##########################################
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

name	f_name
Neha	Choco Lava cake
Khushboo	Choco Lava cake
Nitish	Choco Lava cake
Vartika	Chicken Wings
Ankit	Schezwan Noodles
Ankit	Veg Manchurian