1. How many distinct items were ordered?

SELECT count(distinct name) FROM `quantum-theme-344315.projectsql.items` LIMIT 1000

1. How many items are veg and Non-Veg?

SELECT is\_veg,count(name) as items FROM `quantum-theme-344315.projectsql.items`

group by is\_veg

1. What is the is\_veg item that is 2?

SELECT \* FROM `quantum-theme-344315.projectsql.items`

where is\_veg=2

1. How many items contain the word Chicken?

SELECT \* FROM `quantum-theme-344315.projectsql.items`

where name like '%Chicken%'

5. How many paratha items were ordered?

SELECT \* FROM `quantum-theme-344315.projectsql.items`

where name like '%Paratha%'

6. What is the average number of itmes per order?

SELECT count(name)/count(distinct order\_id) as avgitemsperorder FROM `quantum- theme-344315.projectsql.items`

7. How many times that each item is ordered?

SELECT name,count(\*) FROM `quantum-theme-344315.projectsql.items`

group by name

order by count(\*) desc

8. How many distinct rain modes are available?

SELECT distinct rain\_mode FROM `quantum-theme-344315.projectsql.orders` LIMIT 1000

9. How many number of distinct restaurants that have ordered?

SELECT count(distinct restaurant\_name) FROM `quantum-theme- 344315.projectsql.orders` LIMIT 1000

10. List of restaurants with most number of orders?

SELECT restaurant\_name,count(\*) FROM `quantum-theme-344315.projectsql.orders`

group by restaurant\_name

order by count(\*) desc

11. How many orders are palced per month and yeat?

SELECT format\_date('%Y-%m',order\_time),count(distinct order\_id) FROM `quantum- theme-344315.projectsql.orders`

group by  format\_date('%Y-%m',order\_time)

order by count(distinct order\_id) desc

12. Latest ordered item or Last ordered item or recent ordered item?

SELECT max(order\_time) FROM `quantum-theme-344315.projectsql.orders`

13. How much revenue is made per month?

SELECT format\_date('%Y-%m',order\_time),sum(order\_total) as totalrevenue

FROM `quantum-theme-344315.projectsql.orders`

group by format\_date('%Y-%m',order\_time)

order by totalrevenue desc

14. What is the average order value?

SELECT sum(order\_total)/count(distinct order\_id) as aov

FROM `quantum-theme-344315.projectsql.orders`

15. Total revenue by year?

SELECT format\_date('%Y',order\_time),sum(order\_total) as revenue

FROM `quantum-theme-344315.projectsql.orders`

group by  format\_date('%Y',order\_time)

16. Revenue and previous year revenue?

with final as (

SELECT format\_date('%Y',order\_time) as yearorder,sum(order\_total) as revenue

FROM `quantum-theme-344315.projectsql.orders`

group by  format\_date('%Y',order\_time))

select yearorder,revenue,lag(revenue) over (order by yearorder) as previousrevenue from final

17. Ranking based on revenue?

with final as (

SELECT format\_date('%Y',order\_time) as yearorder,sum(order\_total) as revenue

FROM `quantum-theme-344315.projectsql.orders`

group by  format\_date('%Y',order\_time))

select yearorder,revenue,

rank() over (order by revenue desc) as ranking from final

18. Ranking based on restaurant name and revenue?

with final as (

SELECT restaurant\_name,sum(order\_total) as revenue

FROM `quantum-theme-344315.projectsql.orders`

group by  restaurant\_name)

select restaurant\_name,revenue,

rank() over (order by revenue desc) as ranking from final order by revenue desc

19. Join Order and item tables and find product combos using self join?

SELECT a.name,a.is\_veg,b.restaurant\_name,b.order\_id,b.order\_time FROM `quantum- theme-344315.projectsql.items` a

join `quantum-theme-344315.projectsql.orders`  b

on a.order\_id=b.order\_id