Pizza sale Data analysis

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A.Retrieve the total number of orders placed.

```
select * from orders;
        select * from pizzas;
        select *from pizza_types;
        /************ 1. A) Retrieve the total number of orders placed.****************/
        select count(order_id) from orders;
 10 •
 11
 12
                                    Export: Wrap Cell Content: IA
count(order_id)
21350
```

B.Calculate the total revenue generated from pizza sales.

```
select count(order_id) from orders;
 10
 11
 12
      13
 14
     select
 15 •
     sum((order_details .quantity * pizzas .price) )as Total_sales
 16
 17
     from order_details join pizzas
     on pizzas.pizza_id = order_details.pizza_id;
 18
                           Export: Wrap Cell Content: IA
Total_sales
710297.2499999995
```

C.Identify the highest-priced pizza.

```
20
21
       /* C ) Identify the highest-priced pizza.*/
22 .
       select pizza types.name , pizzas.price
23
       from pizza_types join pizzas
       on pizza_types.pizza_type_id = pizzas.pizza_type_id
24
25
       order by pizzas.price desc
26
       limit 1;
27
                                  Export: Wrap Cell Content: TA Fetch rows:
Result Grid Filter Rows:
              price
The Greek Pizza
             35.95
```

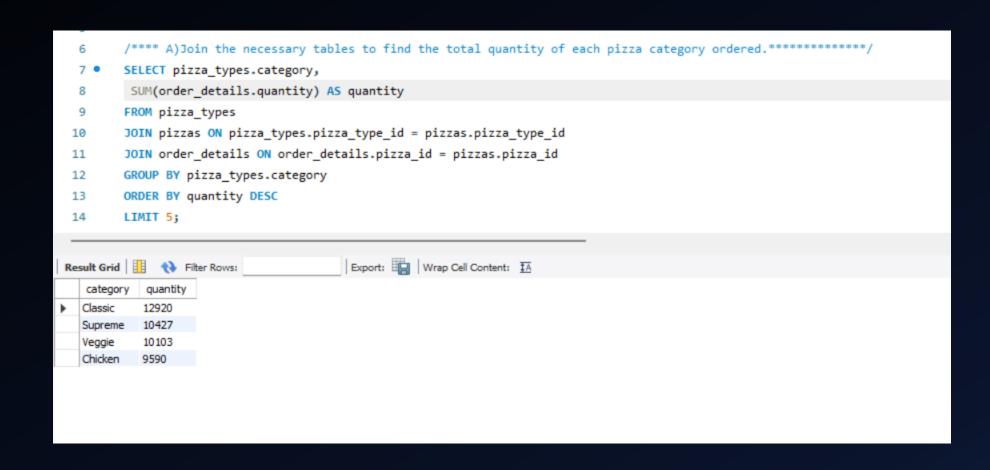
D.Identify the most common pizza size ordered.

```
/* D) Identify the most common pizza size ordered.*/
    select quantity , count(order_details_id)
    from order_details group by quantity;
                                 Export: Wrap Cell Content: IA
quantity count(order_details_id)
      41414
```

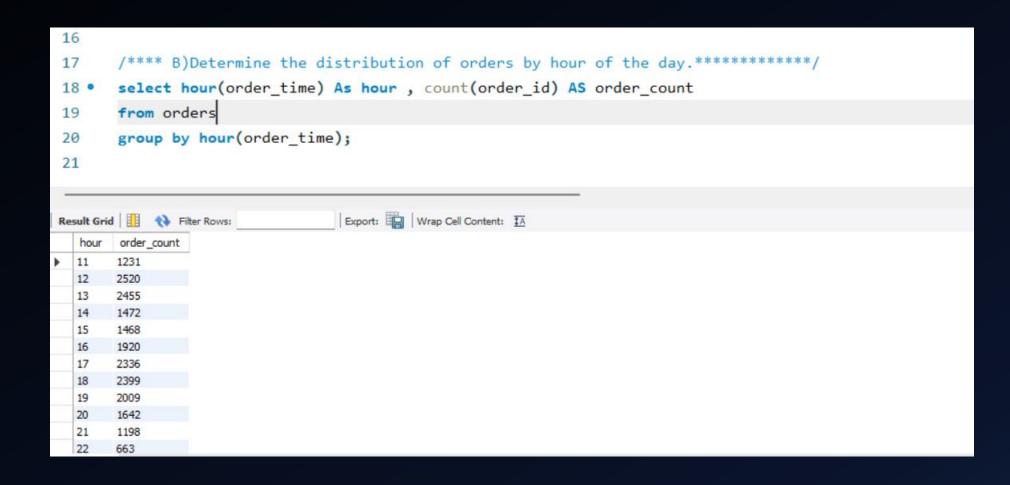
E.List the top 5 most ordered pizza types along with their quantities.

```
33
       /** E) List the top 5 most ordered pizza types along with their quantities.*****/
34
35 •
       select pizzas.size, count(order details.order details id) as order count
       from pizzas join order_details
36
       on pizzas.pizza id = order details.pizza id
37
38
       group by pizzas.size order by order_count desc;
39
                                 Export: Wrap Cell Content: IA
Result Grid Filter Rows:
       order_count
       16094
       13369
       12246
```

A.Join the necessary tables to find the total quantity of each pizza category ordered.



B.Determine the distribution of orders by hour of the day.



C. Join relevant tables to find the category-wise distribution of pizzas.

```
21
22
      /** C) Join relevant tables to find the category-wise distribution of pizzas.*/
      select category , count(name) from pizza types
      group by category;
24
25
26
                              Export: Wrap Cell Content: IA
         Filter Rows:
```

D. Group the orders by date and calculate the average number of pizzas ordered per day.

```
-- //* C) Group the orders by date and calculate the average number of pizzas ordered per day.*/
     SELECT AVG(quantity)

⊖ FROM (
         SELECT orders.order date, SUM(order details.quantity) AS quantity
         FROM orders
         JOIN order_details ON orders.order_id = order_details.order_id
         GROUP BY orders.order date
     ) AS order_quantity;
                                  Export: Wrap Cell Content: IA
AVG(quantity)
138.3923
```

E. Determine the top 3 most ordered pizza types based on revenue.

```
37
        /*** D)Determine the top 3 most ordered pizza types based on revenue.***/
38
       SELECT pizza types.name,
               SUM(order details.quantity * pizzas.price) AS revenue
40
       FROM pizza types
41
       JOIN pizzas ON pizzas.pizza type id = pizza types.pizza type id
       JOIN order_details ON order_details.pizza_id = pizzas.pizza_id
       GROUP BY pizza types.name
       ORDER BY revenue DESC
       LIMIT 3;
Result Grid Filter Rows:
                                       Export: Wrap Cell Content: A Fetch rows:
                       revenue
  The Barbecue Chicken Pizza 37241.25
  The Thai Chicken Pizza
                       37238.25
  The California Chicken Pizza 35850.25
```