```sql
select * from orders ;

select * from  pizza ;

select * from   pizza_type;

select * from  order_details;


# Q1:The total number_of_order place..?
SELECT COUNT(order_id) AS total_orders
FROM orders;


# Q2: The total revenue generated from pizza sales
SELECT distinct  count(quantity) AS total_revenue
FROM order_details;


#Q3: The highest priced pizza.
select distinct  price from pizza order by price desc LIMIT 1 ;


#Q4: The most common pizza size ordered.
SELECT size, COUNT(*) as OrderCount
FROM pizza
GROUP BY size
ORDER BY OrderCount DESC
LIMIT 1;


-- #Q5: The top 5 most ordered pizza types along their quantities.
   select quantity,order_id, count(*) as ordered_pizza from order_details group by
   quantity,order_id order by quantity DESC LIMIT 5;



# Q6: The quantity of each pizza categories ordered.
select * from   pizza_type;
```

select category, count(*) as quantity from pizza_type group by category;

-- Q7: The distribution of orders by hours of the day.

select * from orders ;

select extract(hour from time) as hour , MIN(time)as time from orders group by extract(hour from time) order by hour ;

#Q8: The category-wise distribution of pizzas.

select * from   pizza_type;

select * from pizza ;

SELECT pt.category AS category_wise_distribution FROM pizza p

 JOIN pizza_type pt ON p.pizza_type_id = pt.pizza_type_id GROUP BY pt.category ORDER BY category_wise_distribution DESC;

 # -- Q9: The average number of pizzas ordered per day.

select * from order_details ;

select * from orders ;

select orders.date,AVG(order_details.quantity) as average_number_Pizza from order_details

join orders on order_details.order_id = orders.order_id

group by orders.date order by average_number_pizza DESC;

#-- Q10: Top 3 most ordered pizza type base on revenue.

select * from   pizza_type;

select * from pizza ;

select pizza_type.category, max(pizza.price) as revenue from pizza inner join pizza_type on pizza.pizza_type_id = pizza_type.pizza_type_id

group by pizza_type.category order by revenue LIMIT 3;