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IN THIS PROJECT I HAVE UTILIZE SQL QUERY TO SOLVE QUESTION THAT WERE RETATED TO PIZZA SALES





## Q. 01--> RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.



```
select *from pizzahut.orders;  
select count(order_id) as total_order from pizzahut.orders;
```

total_order
21350



## Q. 02 Calculate the total revenue generated from pizza sales.

```
select *from pizzahut.pizzas;
SELECT
    ROUND(SUM(pizzahut.order_details.quantity * pizzahut.pizzas.price),
          2) AS total_sales
FROM
    pizzahut.order_details
    JOIN
        pizzahut.pizzas ON pizzahut.pizzas.pizza_id = pizzahut.order_details.pizza_id;
```

total_sales
359240.8



## Q.03 IDENTIFY THE HIGHEST-PRICED PIZZA.--

```
select *from pizzahut.pizza_types;
select *from pizzahut.pizzas;
SELECT
    pizza_types.name, pizzas.price
FROM
    pizza_types
        INNER JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
ORDER BY pizzas.price DESC limit 1;
```

	name	price
▶	The Greek Pizza	35.95



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## Q.04-- IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.

```
select pizzas.size, count(order_details.order_details_id) as order_count  
from pizzas join order_details  
on pizzas.pizza_id = order_details.pizza_id  
group by pizzas.size order by order_count desc;
```

	size	order_count
▶	L	8167
	M	6723
	S	6191
	XL	255
	XXL	15



# Q. 05 LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES.

```
select pizza_types.name,  
sum(order_details.quantity) as quantity  
from pizza_types join pizzas  
on pizza_types.pizza_type_id = pizzas.pizza_type_id  
join order_details  
on order_details.pizza_id = pizzas.pizza_id  
group by pizza_types.name order by quantity desc limit 5;
```

	name	quantity
►	The Barbecue Chicken Pizza	1118
	The Pepperoni Pizza	1072
	The Hawaiian Pizza	1045
	The Classic Deluxe Pizza	1044
	The California Chicken Pizza	1025

## Q. 06 JOIN THE NECESSARY TABLES TO FIND THE TOTAL QUANTITY OF EACH PIZZA CATEGORY ORDERED.

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SELECT

```
 pizza_types.category,  
 SUM(order_details.quantity) AS quantity  
FROM  
 pizza_types  
 JOIN  
 pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id  
 JOIN  
 order_details ON order_details.pizza_id = pizzas.pizza_id  
GROUP BY pizza_types.category  
ORDER BY quantity DESC;
```

	category	quantity
▶	Classic	6475
	Supreme	5265
	Veggie	5191
	Chicken	4826

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## Q. 07 DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.

```
select *from orders;  
select hour(order_time) as hour, count(order_id) as order_count from orders  
group by hour order by order_count desc;
```

	hour	order_count
▶	12	2520
	13	2455
	18	2399
	17	2336
	19	2009
	16	1920



## Q.08 JOIN RELEVANT TABLES TO FIND THE CATEGORY-WISE DISTRIBUTION OF PIZZAS.

```
SELECT
    category, COUNT(name) AS pizza_distribute
FROM
    pizza_types
GROUP BY category
ORDER BY pizza_distribute DESC;
```

	category	pizza_distribute
▶	Supreme	9
	Veggie	9
	Classic	8
	Chicken	6





## Q.11 CALCULATE THE PERCENTAGE CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE.

```
select pizza_types.category,  
round(sum(order_details.quantity*pizzas.price),2) as revenue  
from pizza_types join pizzas on pizza_types.pizza_type_id = pizzas.pizza_type_id  
join order_details on order_details.pizza_id = pizzas.pizza_id  
group by pizza_types.category order by revenue desc;
```

	category	revenue
▶	Classic	95703
	Supreme	91575.2
	Veggie	86263.1
	Chicken	85699.5



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