







TABLES NAME

These are the tables we have in our database.

01: orders

02: orders_details

03: pizza_types

04: pizzas

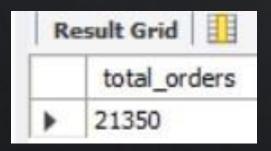
A PROJECT REPORT BY AMBARISH YADAV

BASIC STRUCTURE AND SCHEMA:



```
create database pizzahub;
       create table orders(
       order id int not null,
       order date date not null,
       order time time not null,
       primary key(order_id));
       create table orders details(
       order details id int not null,
       order id int not null,
10
       pizza id text not null,
11
       quantity int not null,
12
13
       primary key(order_details_id));
```

QUESTION 1: -- Retrieve the total number of orders placed.



QUESTION 2: -- Calculate the total revenue generated from pizza sales.

```
SELECT
ROUND(SUM(pizzas.price * orders_details.quantity),

2) AS total_sales
FROM
pizzas

JOIN
orders_details ON pizzas.pizza_id = orders_details.pizza_id
```





QUESTION 3: -- Identify the highest-priced pizza.

```
pizzas.price, pizza_types.name

pizzas

pizzas

join

pizza_types on pizzas.pizza_type_id = pizza_types.pizza_type_id

RORDER BY price DESC

LIMIT 1;
```

Re	esult Grid	Filter Rows:
	price	name
•	35.95	The Greek Pizza

QUESTION 4: -- Identify the most common pizza size ordered.

```
pizzas.size,

count(orders_details.order_details_id) AS order_count

from

pizzas

join

orders_details ON pizzas.pizza_id = orders_details.pizza_id

GROUP BY pizzas.size

ORDER BY order_count DESC;
```

R	esult Gri	id 🔠 🙌
	size	order_count
•	L	18526
	M	15385
	S	14137
	XL	544
	XXL	28

QUESTION 5: -- List the top 5 most ordered pizza types along with their quantities.

```
SELECT
           pizza_types.name, SUM(orders_details.quantity) AS quantity
       FROM
           pizza types
               JOIN
           pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
               JOIN
           orders_details ON orders_details.pizza_id = pizzas.pizza_id
       GROUP BY pizza_types.name
10
       ORDER BY quantity DESC
11
       LIMIT 5;
12
```

	name	quantity
۰	The Classic Deluxe Pizza	2453
	The Barbecue Chicken Pizza	2432
	The Hawaiian Pizza	2422
	The Pepperoni Pizza	2418
	The Thai Chicken Pizza	2371

QUESTION 6:

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

```
pizza_types.category,

SUM(orders_details.quantity) AS quantity

FROM

pizza_types

JOIN

pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id

JOIN

orders_details ON orders_details.pizza_id = pizzas.pizza_id

GROUP BY pizza_types.category

ORDER BY quantity DESC
```

Re	esult Grid	44
	category	quantity
١	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

QUESTION 7:

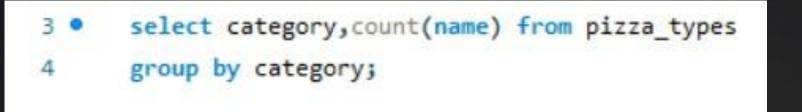
-- Determine the distribution of orders by hour of the day.

select hour(order_time) as hour,count(order_id) as orders from orders
group by hour(order_time);

Re	Result Grid		
	hour	orders	
•	11	1231	
	12	2520	
	13	2455	
	14	1472	
	15	1468	
	16	1920	
	17	2336	
	18	2399	
	19	2009	
	20	1642	
	21	1198	
	22	663	

QUESTION 8:

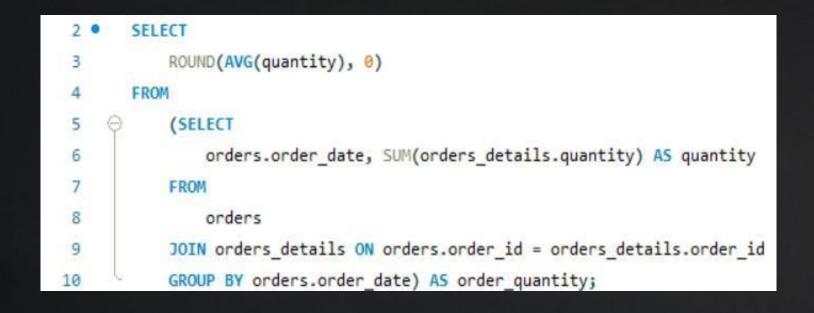
-- Join relevant tables to find the category-wise distribution of pizzas.

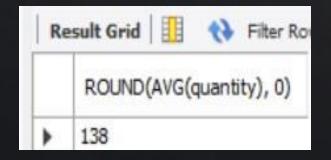


Re	esult Grid	Filter R
	category	count(name)
•	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9

QUESTION 9:

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





QUESTION 10:-- Determine the top 3 most ordered pizza types based on revenue.

```
select pizza_types.name,
sum(orders_details.quantity * pizzas.price) as revenue
from pizza_types join pizzas
on pizzas.pizza_type_id = pizza_types.pizza_type_id
join orders_details
on orders_details.pizza_id = pizzas.pizza_id
group by pizza_types.name order by revenue desc limit 3;
```

R	esult Grid 🔢 🙌 Filter Ro	WS:
	name	revenue
	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
•	The California Chicken Pizza	41409.5

QUESTION 11:-- Calculate the percentage contribution of each pizza type to total revenue.

```
select pizza_types.category,

oround(sum(orders_details.quantity * pizzas.price)/(select round(sum(orders_details.quantity * pizzas.price),2) as total_sales
from orders_details join
pizzas on pizzas.pizza_id = orders_details.pizza_id)*100,2) as revenue
from pizza_types join pizzas
on pizzas.pizza_type_id = pizza_types.pizza_type_id
join orders_details
on orders_details.pizza_id = pizzas.pizza_id
group by pizza_types.category order by revenue desc;
```

Re	esult Grid	# () Fi
	category	revenue
•	Classic	26.91
	Supreme	25.46
	Chicken	23.96
	Veggie	23.68

QUESTION 12:-- Analyze the cumulative revenue generated over time.

```
select order_date,
       sum(revenue) over(order by order_date) as cum_revenue
       from
     (select orders.order_date,
       sum(orders_details.quantity*pizzas.price) as revenue
       from orders_details join pizzas
       on orders_details.pizza_id=pizzas.pizza_id
       join orders on orders.order_id= orders_details.order_id
10
       group by orders.order_date) as sales;
```

Re	esult Grid	Filter Rows:
	order_date	cum_revenue
•	2015-01-01	2713.85000000000004
	2015-01-02	5445.75
	2015-01-03	8108.15
	2015-01-04	9863.6
	2015-01-05	11929.55
	2015-01-06	14358.5
	2015-01-07	16560.7
	2015-01-08	19399.05
	2015-01-09	21526.4
	2015-01-10	23990.350000000002
	2015-01-11	25862.65
	2015-01-12	27781.7





THANK YOU

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