



PIZZA HUT





PIZZA HUT

WELCOME TO PIZZA HUT

MY NAME IS ANKIT DAS.

IN THIS PROJECT I UTILIZED SQL QUERIES
TO SOLVE QUESTIONS WHICH ARE RELATED
TO PIZZA SALES



OVERVIEW OF PIZZA HUT SQL SALES PROJECT

"DIVING INTO THE WORLD OF DATA, ONE SLICE AT A TIME! 🍕"

HERE'S MY SQL PROJECT ANALYZING SALES DATA FROM PIZZA HUT — ANSWERING REAL BUSINESS QUESTIONS USING POWERFUL SQL QUERIES AND INSIGHTS.

FROM BEST-SELLING PIZZAS TO PEAK ORDER TIMES, IT'S ALL SERVED WITH CODE!"





MEET OUR CHEF



NEIL TRAN



CHIDI EZE



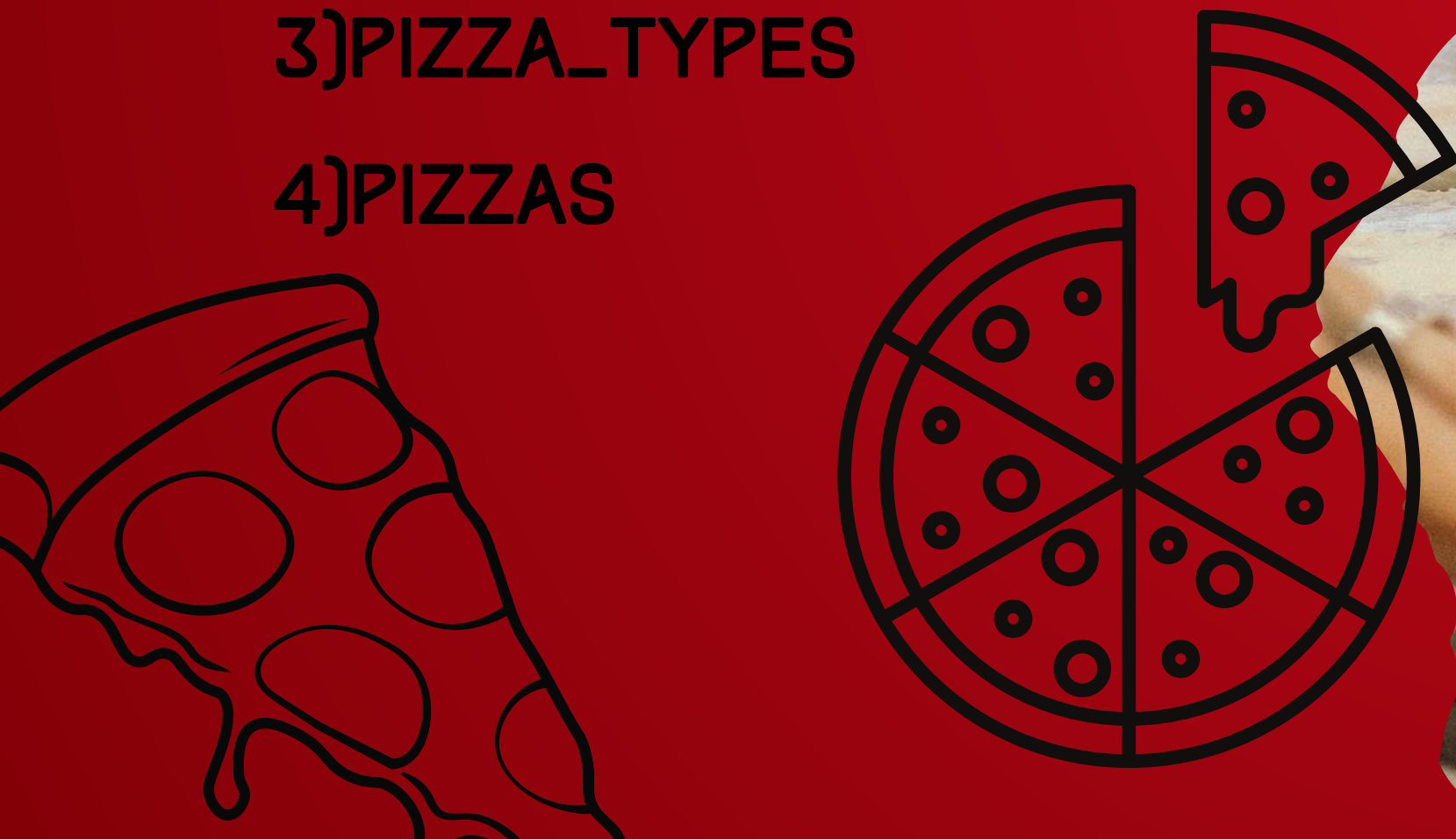
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MY DATABASE AND TABLES :

DATABASE - PIZZA HUT

- 1)ORDERS TABLE
- 2)ORDER_DETAILS
- 3)PIZZA_TYPES
- 4)PIZZAS



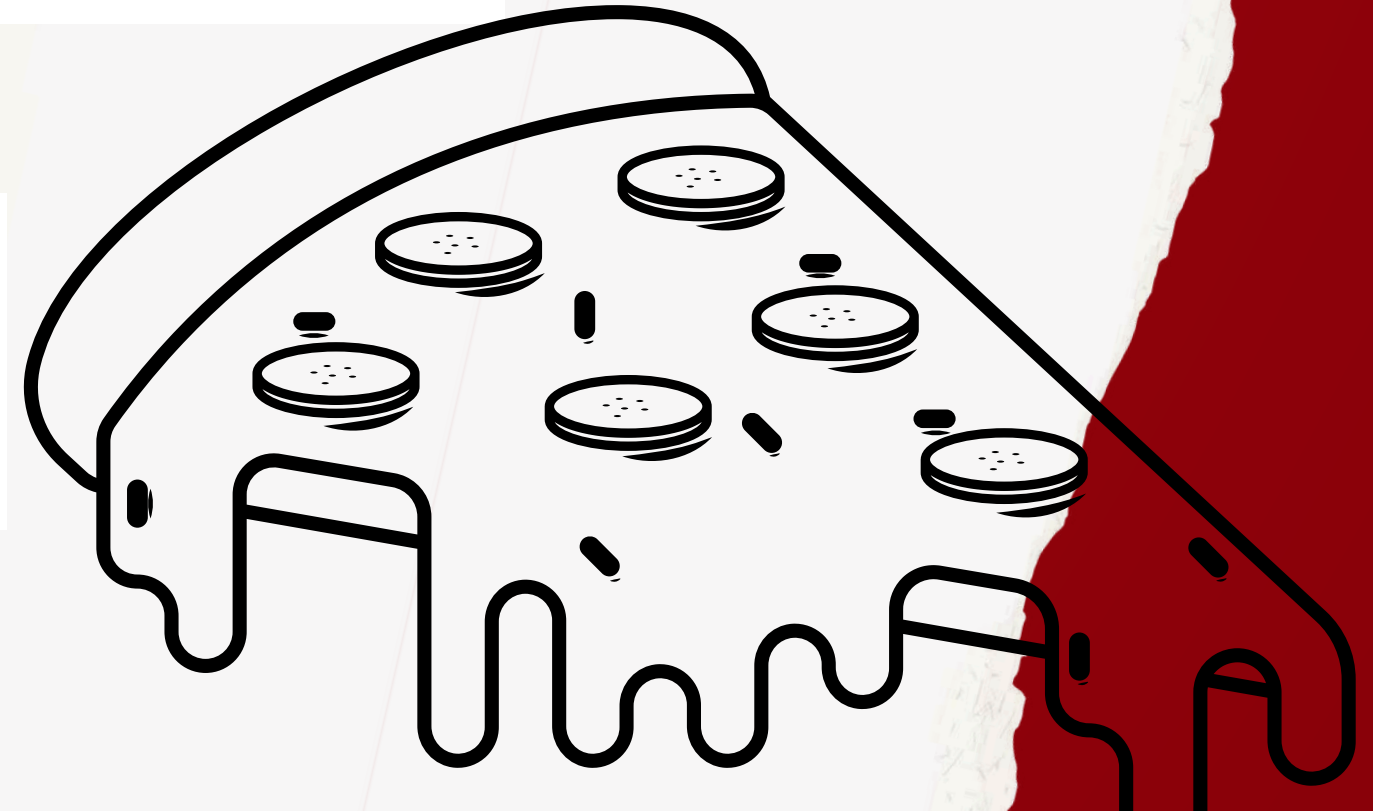


RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED



```
SELECT  
    COUNT(order_id) total_orders  
FROM  
    orders;
```

	total_orders
▶	21350





CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES.

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

	total_revenue
	817860.05





IDENTIFY THE HIGHEST-PRICED PIZZA.

```
SELECT
    pizza_types.name, pizzas.price
FROM
    pizza_types
    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





IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED

```
SELECT
    pizzas.size, COUNT(order_details.order_details_id)
FROM
    pizzas
    JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY pizzas.size
ORDER BY 2;
```

size	COUNT(order_details.order_details_id)
XXL	28
XL	544
S	14137
M	15385
L	18526



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

```
SELECT
    pizza_types.name, SUM(order_details.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 1
ORDER BY 2 DESC
LIMIT 5;
```

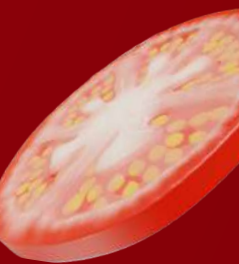
name	SUM(order_details.quantity)
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371



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

```
SELECT
    pizza_types.category, SUM(order_details.quantity)
FROM
    pizza_types
    JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
    JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY 1
ORDER BY 2 DESC;
```

category	SUM(order_details.quantity)
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050



DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.

```
SELECT  
    HOUR(orders.order_time) hour,  
    COUNT(orders.order_id) order_count  
FROM  
    orders  
GROUP BY 1;
```

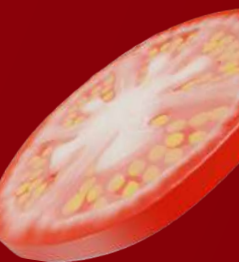
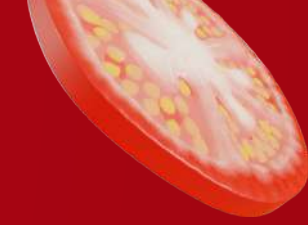
hour	order_count
11	1231
12	2520
13	2455
14	1472
15	1468
16	1920
17	2336
18	2399
19	2009
20	1642
21	1198
22	663
23	28
10	8
9	1



JOIN RELEVANT TABLES TO FIND THE CATEGORY-WISE DISTRIBUTION OF PIZZAS

```
SELECT  
  
    category, COUNT(name)  
  
FROM  
  
    pizza_types  
  
GROUP BY 1;
```

category	COUNT(name)
Chicken	6
Classic	8
Supreme	9
Veggie	9



GROUP THE ORDERS BY DATE AND CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY

```
SELECT  
    ROUND(AVG(quantity))  
FROM  
    (SELECT  
        orders.order_date, SUM(order_details.quantity) quantity  
    FROM  
        orders  
    JOIN order_details ON orders.order_id = order_details.order_id  
    GROUP BY 1) AS order_quantity;
```



ROUND(AVG(quantity))

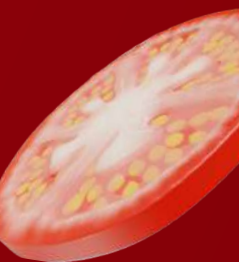
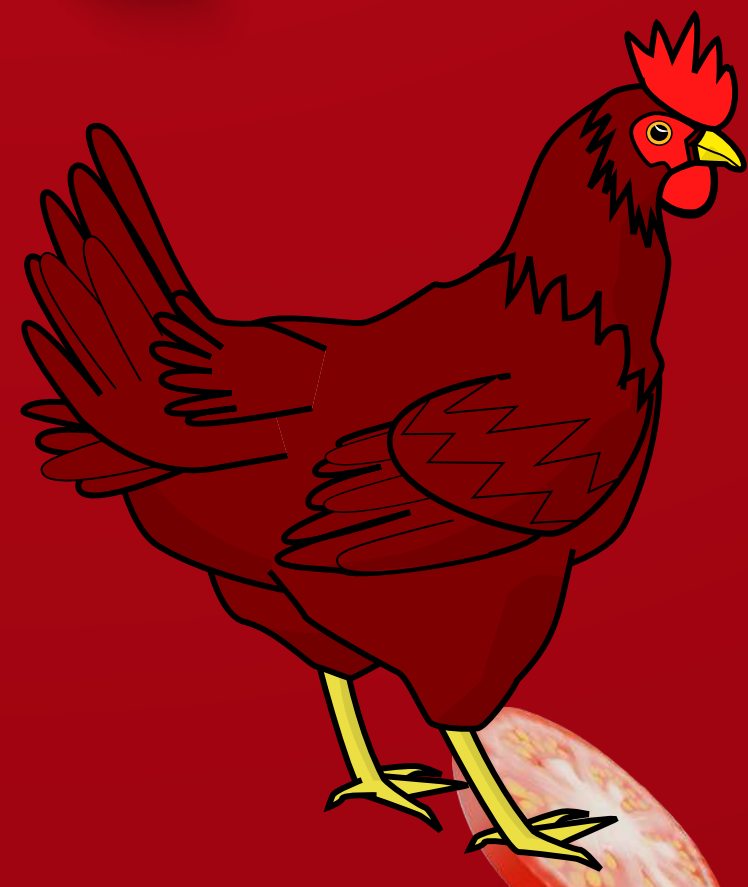
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DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE

```
SELECT
    pizza_types.name,
    ROUND(SUM(order_details.quantity * pizzas.price),
          2) AS total_revenue
FROM
    pizzas
    JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
    JOIN
    pizza_types ON pizzas.pizza_type_id = pizza_types.pizza_type_id
GROUP BY 1
ORDER BY 2 DESC
LIMIT 3;
```

name	total_revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5



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

```
SELECT
    pizza_types.category,
    round((sum(order_details.quantity * pizzas.price)/(SELECT
        ROUND(SUM(order_details.quantity * pizzas.price),
            2) AS total_sales
    FROM
        order_details
    JOIN
        pizzas ON pizzas.pizza_id = order_details.pizza_id))*100,2) 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	26.91
Supreme	25.46
Chicken	23.96
Veggie	23.68



ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME LIMIT 5.

```
select order_date,  
sum(revenue) over(order by order_date) as cum_revenue  
from(select orders.order_date ,  
sum(order_details.quantity*pizzas.price) as revenue  
from order_details join pizzas  
on order_details.pizza_id= pizzas.pizza_id  
join orders  
on orders.order_id=order_details.order_id  
group by 1) as sales limit 5;
```

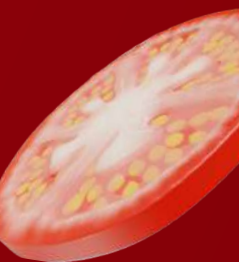
order_date	cum_revenue
2015-01-01	2713.850000000000004
2015-01-02	5445.75
2015-01-03	8108.15
2015-01-04	9863.6
2015-01-05	11929.55



DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE FOR EACH PIZZA CATEGORY

```
select name,revenue from
(select category,name,revenue,
rank() over (partition by category order by revenue desc) as rn
from
(select pizza_types.category,pizza_types.name,
sum(order_details.quantity*pizzas.price) 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,pizza_types.name) as a)as b
where rn<=3;
```

name	revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5
The Classic Deluxe Pizza	38180.5
The Hawaiian Pizza	32273.25
The Pepperoni Pizza	30161.75
The Spicy Italian Pizza	34831.25
The Italian Supreme Pizza	33476.75
The Sicilian Pizza	30940.5
The Four Cheese Pizza	32265.700000000065
The Mexicana Pizza	26780.75
The Five Cheese Pizza	26066.5






BEST SELLER



★★★★★ THAI CHICKEN PIZZA

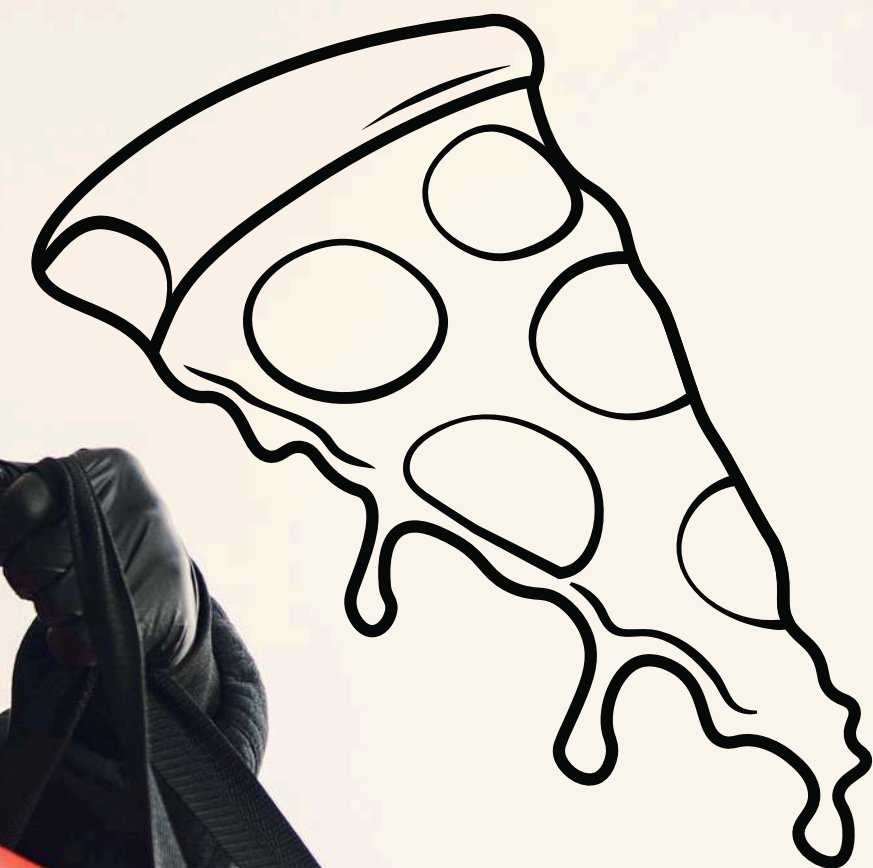
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PIZZA HUT

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THANK YOU!

