

PIZZA HUT SALES

• SQL PROJECT BY PRERNA KAPOOR
G15 SQL & POWERBI





INTRODUCTION

HII , I'M PRERNA KAPOOR , IN THIS PROJECT I HAVE UTILIZED SQL QUERIES TO SOLV A QUESTIONS THAT ARE RELATED TO PIZZA SALES....



1) Retrieve the total number of orders placed.

```
1      -- 1) Retrieve the total number of orders placed.  
2 •  select count(order_id) as total_orders from orders;
```

Result Grid	
03	total_orders
▶	5978



2) calculate the total revenue from the generated from the pizza sales ?

SELECT

```
ROUND(SUM(orders_details.quantity * pizzas.price),  
      2) AS total_sales
```

03

FROM

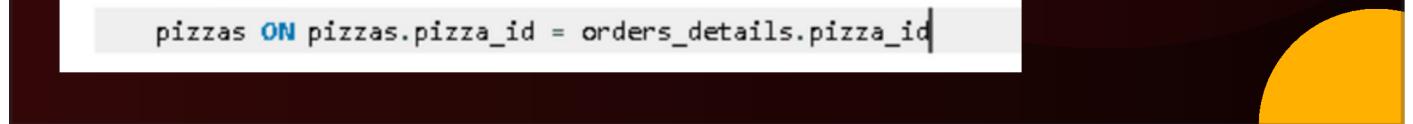
```
orders_details
```

JOIN

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

Result Grid

	total_sales
▶	6218.15





3.) Identify the highest price pizza ?

```
12  -- Identify the highest price pizza
13 • SELECT
14      pizza_types.name, pizzas.price
15  FROM
16      pizza_types
17      JOIN
18      pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
19  ORDER BY pizzas.price DESC          03
20  LIMIT 1;
```

result Grid | Filter Rows: _____ | Export: | Wrap Cell Content: | Fetch: |

name	price
The Greek Pizza	35.95



4.) Identify the most common pizza size ordered.?

```
SELECT
    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;
```

03

size	order_count
L	164
M	102
S	95
XL	1





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_t.03
    JOIN
    orders_details ON orders_details.pizza_id = pizzas.pizza_id
  GROUP BY pizza_types.name
  ORDER BY quantity DESC
  LIMIT 5;
```

Result Grid		Filter Rows:
	name	quantity
▶	The Italian Supreme Pizza	26
	The Barbecue Chicken Pizza	21
	The Thai Chicken Pizza	21
	The Spinach Supreme Pizza	17
	The Southwest Chicken Pizza	17



6.) join the necessary tables to find the total quantity of each pizza category ordered.?

```
SELECT
    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;
```

Result Grid		
	category	quantity
▶	Classic	106
	Supreme	101
	Chicken	83
	Veggie	78



7.) join relevant tables to find the category-wise distribution of pizzas.?

```
61 -- join relevant tables to find the category-wise distribution of pizzas.  
62 • SELECT  
63     category, COUNT(name)  
64 FROM  
65     pizza_types  
66 GROUP BY category|
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content **03**

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



8.) Group the orders by date and calculate the average number of pizzas ordered per day.?

```
68  -- 8.) Group the orders by date and calculate the average number of pizzas ordered per day.
69 •  SELECT
70      ROUND(AVG(quantity), 0) as avg_pizza_ordered_per_day
71  FROM
72      (SELECT
73          orders.date, SUM(orders_details.quantity) AS quantity
74      FROM
75          orders
76      JOIN orders_details ON orders.order_id = orders_details.order_id
77      GROUP BY orders.date) AS orders_quantity;
78
79
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
avg_pizza_ordered_per_day	03	214	



```
79      -- 9 Determine the top 3 most ordered pizza types based on revenue.
80 •  SELECT
81      pizza_types.name,
82      ROUND(SUM(orders_details.quantity * pizzas.price),
83            0) AS revenue
84  FROM
85      pizza_types
86      JOIN
87      pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id
88      JOIN
89      orders_details ON orders_details.pizza_id = pizzas.pizza_id
90  GROUP BY pizza_types.name
91  ORDER BY revenue DESC
```

03

Result Grid		Filter Rows:	Export:	Wrap Cell Content:	Fetch rows:
name	revenue				
The Italian Supreme Pizza	484				
The Barbecue Chicken Pizza	392				
The Thai Chicken Pizza	392				



```
-- 10.) Calculate the percentage contribution of each pizza type to total revenue.  
94 •   SELECT  
95     pizza_types.category,  
96     ROUND(SUM(orders_details.quantity * pizzas.price) / (SELECT  
97         ROUND(SUM(orders_details.quantity * pizzas.price),  
98             2) AS total_sales  
99     )  
100    FROM  
101        orders_details  
102        JOIN  
103            pizzas ON pizzas.pizza_id = orders_details.pizza_id * 100,  
104        2) AS revenue  
105    FROM  
106        pizza_types  
107        JOIN  
108            nizzas ON nizzas.pizza_type_id = pizzas.pizza_type_id
```

03

category	revenue
Supreme	29.21
Classic	25.38
Chicken	24.29
Veggie	21.12

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```
113    -- 11.) Analyze the cumulative revenue generated over time
114 •   select date,
115     sum(revenue) over(order by date) as cum_revenue
116   from
117   (select orders.date,
118     sum(orders_details.quantity * pizzas.price) as revenue
119   from orders_details join pizzas
120   on orders_details.pizza_id = pizzas.pizza_id
121   join orders
122   on orders.order_id = orders_details.order_id
123   group by orders.date) as sales;
```

Result Grid | Filter Rows: _____ | Export: _____ | Wrap Cell Content: 03

	date	cum_revenue
▶	2015-01-01	9008.399999999998
	2015-01-02	16152.549999999996
	2015-01-03	19064.499999999996
	2015-01-04	19865.099999999995
	2015-01-05	21316.699999999993
	2015-01-06	22146.149999999994
	2015-01-07	22510.899999999994
	2015-01-08	22674.899999999994



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```
125 -- 11.)Determine the top 3 most ordered pizza types
126 • select name, revenue from
127   (select category, name, revenue,
128    rank() over(partition by category order by revenue
129    from
130   (select pizza_types.category, pizza_types.name,
131    sum((orders_details.quantity) * pizzas.price) as revenue
132    from pizza_types join pizzas
133    on pizza_types.pizza_type_id = pizzas.pizza_type_id
134    join orders_details
135    on orders_details.pizza_id = pizzas.pizza_id
136    group by pizza_types.category, pizza_types.name) as
137    where rn <=3;
```

Result Grid		Filter Rows:	Export:
	name	revenue	
▶	The Barbecue Chicken Pizza	391.75	
	The Thai Chicken Pizza	391.75	
	The Southwest Chicken Pizza	288.75	
	The Italian Capocollo Pizza	287.5	
	The Classic Deluxe Pizza	238	
	The Hawaiian Pizza	236.25	
	The Italian Supreme Pizza	484.5	
	The Spinach Supreme Pizza	269.25	
	The Pepper Salami Pizza	260.75	
	The Mexicana Pizza	266.75	
03	The Five Cheese Pizza	203.5	
	The Four Cheese Pizza	187.84...	





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