

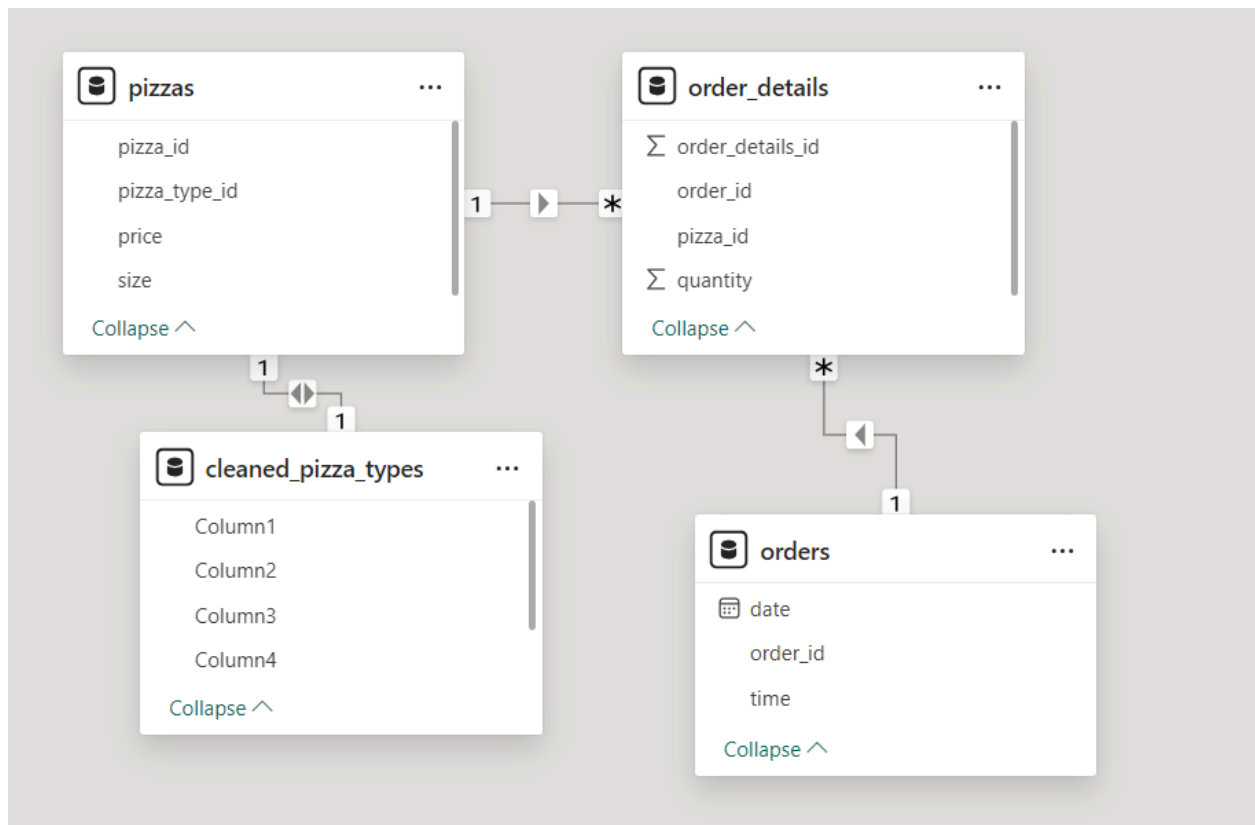
Pizza Sales Analysis Using SQL

By

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Schema



1.Retrieve the total number of orders placed.

```
7 SELECT
8 COUNT(order_id) as Total_order
9 FROM
10 orders;
```

Output:

≡ line 9, column 5, location 74		
	Total_order	
1	21350	

2.Calculate the total revenue generated from pizza sales

```

18
19 SELECT
20 round(SUM(order_details.quantity*pizzas.price),2) as Total_Revune
21 FROM
22 pizzas
23 inner JOIN
24 order_details
25 on pizzas.pizza_id=order_details.pizza_id;
26
27

```

Output:

line 23, column 11, location 219

	Total_Revune	
1	817860.05	

3. Identify the highest priced

```

27
28 SELECT
29     cleaned_pizza_types.name,
30     pizzas.price
31 FROM
32     cleaned_pizza_types
33 JOIN
34     pizzas
35 ON
36     cleaned_pizza_types.pizza_type_id = pizzas.pizza_type_id
37 ORDER BY
38     pizzas.price DESC
39 LIMIT 1;
40

```

Output:

line 44, column 32, location 555

	name	price	
1	The Greek Pizza	35.95	

4. Identify the most common pizza size ordered

```
41
42 SELECT
43     c.name,
44     SUM(o.quantity) AS quantity
45 FROM
46     cleaned_pizza_types AS c
47 JOIN
48     pizzas AS p
49     ON c.pizza_type_id = p.pizza_type_id
50 JOIN
51     order_details AS o
52     ON o.pizza_id = p.pizza_id
53 GROUP BY
54     c.name
55 ORDER BY
56     quantity DESC
57 ;
58
```

Output

line 54, column 11, location 743

	name	quantity
7	The Sicilian Pizza	1938
8	The Spicy Italian Pizza	1924
9	The Southwest Chicken Pi...	1917
10	The Big Meat Pizza	1914
11	The Four Cheese Pizza	1902
12	The Italian Supreme Pizza	1884
13	The Vegetables + Vegetab...	1526
14	The Mexicana Pizza	1484
15	The Napolitana Pizza	1464
16	The Prosciutto and Arugu...	1457
17	The Pepper Salami Pizza	1446
18	The Spinach and Feta Piz...	1446
19	The Italian Capocollo Pi...	1438
20	The Greek Pizza	1420

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

```
42 SELECT
43     c.name,
44     SUM(o.quantity) AS quantity
45 FROM
46     cleaned_pizza_types AS c
47 JOIN
48     pizzas AS p
49     ON c.pizza_type_id = p.pizza_type_id
50 JOIN
51     order_details AS o
52     ON o.pizza_id = p.pizza_id
53 GROUP BY
54     c.name
55 ORDER BY
56     quantity DESC
57 LIMIT 5;
58
```

Output

line 57, column 12, location 785

	name	quantity	
1	The Classic Deluxe Pizza	2453	
2	The Barbecue Chicken Piz...	2432	
3	The Hawaiian Pizza	2422	
4	The Pepperoni Pizza	2418	
5	The Thai Chicken Pizza	2371	

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

```
61 SELECT
62     HOUR(time) AS hour_,
63     COUNT(order_id) AS order_count
64 FROM
65     orders
66 GROUP BY
67     HOUR(time);
68
```

Output:

≡ line 77, column 47, location 1104			
	hour_	order_count	
1	9	1	
2	10	8	
3	11	1231	
4	12	2520	
5	13	2455	
6	14	1472	
7	15	1468	
8	16	1920	
9	17	2336	
10	18	2399	
11	19	2009	
12	20	1642	

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

```
142
143 SELECT
144     category,
145     COUNT(name)
146 FROM
147     cleaned_pizza_types
148 GROUP BY
149     category;
150
```

Output

line 153, column 1, location 2546			
	category	COUNT(name)	
1	Chicken	6	
2	Classic	8	
3	Supreme	9	
4	Veggie	9	

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

```
70
71 SELECT
72     ROUND(AVG(quantity), 0) AS avg_pizza_order_per_day
73 FROM
74     (
75         SELECT
76             DATE(orders.date) AS order_date,
77             SUM(order_details.quantity) AS quantity
78         FROM
79             orders
80         JOIN
81             order_details
82         ON
83             orders.order_id = order_details.order_id
84         GROUP BY
85             DATE(orders.date)
86     ) AS order_quantity;
87
```

Output

	avg_pizza_order_per_day	
1	138	

9. Determine the top 3 most ordered pizza types based on revenue.

```
88
89 SELECT
90     c.name AS pizza_type,
91     ROUND(SUM(o.quantity * p.price), 0) AS revenue
92 FROM
93     cleaned_pizza_types AS c
94 JOIN
95     pizzas AS p
96     ON p.pizza_type_id = c.pizza_type_id
97 JOIN
98     order_details AS o
99     ON o.pizza_id = p.pizza_id
100 GROUP BY
101     c.name
102 ORDER BY
103     revenue DESC
104 LIMIT 3;
105
```

Output

≡ line 106, column 1, location 1654

	pizza_type	revenue	
1	The Thai Chicken Pizza	43434	
2	The Barbecue Chicken P...	42768	
3	The California Chicken...	41410	

10. Calculate the percentage contribution of each pizza type to total revenue

```
107 SELECT
108     c.category,
109     ROUND(
110         SUM(o.quantity * p.price) /
111         (SELECT ROUND(SUM(o1.quantity * p1.price), 2)
112          FROM order_details AS o1
113          JOIN pizzas AS p1 ON p1.pizza_id = o1.pizza_id), 2
114     ) * 100 AS revenue
115 FROM
116     cleaned_pizza_types AS c
117 JOIN
118     pizzas AS p ON c.pizza_type_id = p.pizza_type_id
119 JOIN
120     order_details AS o ON o.pizza_id = p.pizza_id
121 GROUP BY
122     c.category
123 ORDER BY
124     revenue DESC;
```

Output:

line 133, column 45, location 2283

	category	revenue	
1	Classic	27.00	
2	Supreme	25.00	
3	Veggie	24.00	
4	Chicken	24.00	

