



PIZZA_SALES SQL PROJECT

----- QUERIES & RESULTS



Q.1 Retrieve the total number of orders placed.

```
SELECT COUNT(ORDER_ID) AS TOTAL_ORDERS FROM ORDERS;
```



Result Grid	
	TOTAL_ORDERS
▶	21350

Q.2 Calculate the total revenue generated from pizza sales.

QUERY

```
SELECT  
ROUND(SUM(O.QUANTITY*P.PRICE),2) AS TOTAL_REVENUE  
FROM ORDER_DETAILS O  
JOIN PIZZAS P  
ON O.PIZZA_ID=P.PIZZA_ID;
```

RESULT

Result Grid			
	TOTAL_REVENUE		
▶	817860.05		

Q.3 Identify the highest-priced pizza.

QUERY

```
SELECT T.NAME , P.PRICE  
FROM PIZZA_TYPES T  
JOIN PIZZAS P  
ON T.PIZZA_TYPE_ID = P.PIZZA_TYPE_ID  
ORDER BY P.PRICE DESC LIMIT 1 ;
```

RESULT

Result Grid			Filter Rows:
	NAME	PRICE	
▶	The Greek Pizza	35.95	

Q.4 Identify the most common pizza size ordered.

QUERY

```
SELECT COUNT(O.ORDER_DETAILS_ID) AS TOTAL_ORDER_ID ,P.SIZE  
FROM ORDER_DETAILS O  
JOIN PIZZAS P  
ON O.PIZZA_ID = P.PIZZA_ID GROUP BY SIZE ORDER BY TOTAL_ORDER_ID DESC ;
```

RESULT



Result Grid			Filter Rows:
	TOTAL_ORDER_ID	SIZE	
▶	18526	L	
	15385	M	
	14137	S	
	544	XL	
	28	XXL	

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

QUERY

```
SELECT T.NAME, SUM(QUANTITY) AS TOTAL_QTY
FROM ORDER_DETAILS O
JOIN PIZZAS P
JOIN PIZZA_TYPES T
ON O.PIZZA_ID = P.PIZZA_ID AND P.PIZZA_TYPE_ID = T.PIZZA_TYPE_ID
GROUP BY NAME ORDER BY TOTAL_QTY DESC LIMIT 5 ;
```

RESULT



Result Grid   Filter Rows: <input type="text"/>		
	NAME	TOTAL_QTY
▶	The Classic Deluxe Pizza	2453
	The Barbecue Chicken Pizza	2432
	The Hawaiian Pizza	2422
	The Pepperoni Pizza	2418
	The Thai Chicken Pizza	2371

Q.6 Join the necessary tables to find the total quantity of each pizza category ordered.

QUERY

```
SELECT T. CATEGORY, SUM(QUANTITY) AS TOTAL_QTY
FROM ORDER_DETAILS O
JOIN PIZZAS P
JOIN PIZZA_TYPES T
ON O.PIZZA_ID = P.PIZZA_ID AND P.PIZZA_TYPE_ID = T.PIZZA_TYPE_ID
GROUP BY CATEGORY ORDER BY TOTAL_QTY DESC;
```

RESULT



Result Grid   Filter Rows: <input type="text"/>		
	CATEGORY	TOTAL_QTY
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

Q.7 Determine the distribution of orders by hour of the day.

QUERY

```
SELECT hour(ORDER_TIME) AS HOUR, COUNT(ORDER_ID) AS TOTAL_ORDERS  
FROM ORDERS GROUP BY hour(ORDER_TIME);
```

RESULT

Result Grid   Filter Rows: <input type="text"/>		
	HOUR	TOTAL_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
	23	28
	10	8
	9	1

Q.8 Join relevant tables to find the category-wise distribution of pizzas.

QUERY

```
SELECT CATEGORY, COUNT(NAME) FROM PIZZA_TYPES GROUP BY CATEGORY;
```

RESULT

Result Grid			Filter Rows:
	CATEGORY	COUNT(NAME)	
▶	Chicken	6	
	Classic	8	
	Supreme	9	
	Veggie	9	

Q.9 Group the orders by date and calculate the average number of pizzas ordered per day.

QUERY

```
SELECT ROUND(AVG(QUANTITY),0) as avg_pizzas_order_perday FROM  
(SELECT O.ORDER_DATE , SUM(QUANTITY) AS QUANTITY  
FROM ORDERS O  
JOIN ORDER_DETAILS D  
ON O.ORDER_ID = D.ORDER_ID GROUP BY O.ORDER_DATE) AS ORDER_QUANTITY;
```

RESULT



Result Grid		Filter Rows:
	avg_pizzas_order_perday	
▶	138	

Q.10 Determine the top 3 most ordered pizza types based on revenue.

QUERY

```
SELECT T.NAME, SUM(QUANTITY*PRICE) AS REVENUE
FROM PIZZA_TYPES T
JOIN PIZZAS P
JOIN ORDER_DETAILS O
ON T.PIZZA_TYPE_ID = P.PIZZA_TYPE_ID AND P.PIZZA_ID = O.PIZZA_ID
GROUP BY NAME ORDER BY REVENUE DESC LIMIT 3;
```

RESULT

Result Grid   Filter Rows: <input type="text"/>		
	NAME	REVENUE
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5

Q.11 Calculate the percentage contribution of each pizza type to total revenue.

QUERY

```
SELECT T.CATEGORY ,ROUND(SUM(O.QUANTITY*P.PRICE) /  
(SELECT  
ROUND(SUM(O.QUANTITY*P.PRICE),2) AS TOTAL_REVENUE  
FROM ORDER_DETAILS O  
JOIN PIZZAS P  
ON O.PIZZA_ID=P.PIZZA_ID)*100,2) AS REVENUE  
FROM PIZZA_TYPES T  
JOIN PIZZAS P  
JOIN ORDER_DETAILS O  
ON T.PIZZA_TYPE_ID = P.PIZZA_TYPE_ID AND P.PIZZA_ID = O.PIZZA_ID  
GROUP BY CATEGORY ORDER BY REVENUE DESC;
```

RESULT



Result Grid			Filter Rows:
	CATEGORY	REVENUE	
▶	Classic	26.91	
	Supreme	25.46	
	Chicken	23.96	
	Veggie	23.68	

Q.12 Analyze the cumulative revenue generated over time.

QUERY

```
SELECT ORDER_DATE,  
SUM(REVENUE) OVER(ORDER BY ORDER_DATE) AS CUM_REVENUE  
FROM  
(SELECT O. ORDER_DATE , ROUND(SUM(QUANTITY*PRICE),2) AS REVENUE  
FROM ORDERS O  
JOIN ORDER_DETAILS D  
JOIN PIZZAS P  
ON O.ORDER_ID = D.ORDER_ID AND D.PIZZA_ID = P.PIZZA_ID  
GROUP BY ORDER_DATE) AS SALES;
```

RESULT

Result Grid   Filter Rows: <input type="text"/>		
	ORDER_DATE	CUM_REVENUE
▶	2015-01-01 00:00:00	2713.85
	2015-01-02 00:00:00	5445.75
	2015-01-03 00:00:00	8108.15
	2015-01-04 00:00:00	9863.6
	2015-01-05 00:00:00	11929.55
	2015-01-06 00:00:00	14358.5
	2015-01-07 00:00:00	16560.7
	2015-01-08 00:00:00	19399.05

Q.13 Determine the top 3 most ordered pizza types based on revenue for each pizza category.

QUERY

```
SELECT CATEGORY,NAME, REVENUE,  
RANK() OVER(PARTITION BY CATEGORY ORDER BY REVENUE DESC) AS RN  
FROM  
(SELECT T.CATEGORY ,T.NAME , SUM(QUANTITY*PRICE) AS REVENUE  
FROM PIZZA_TYPES T  
JOIN PIZZAS P  
JOIN ORDER_DETAILS O  
ON T.PIZZA_TYPE_ID = P.PIZZA_TYPE_ID AND P.PIZZA_ID = O.PIZZA_ID  
GROUP BY T.CATEGORY ,T.NAME ) SALES;
```

RESULT

Result Grid				
Filter Rows:		Export:	Wrap Cell Content:	
CATEGORY	NAME	REVENUE	RN	
Chicken	The Thai Chicken Pizza	43434.25	1	
Chicken	The Barbecue Chicken Pizza	42768	2	
Chicken	The California Ch	The California Chicken Pizza	3	
Chicken	The Southwest Chicken Pizza	34705.75	4	
Chicken	The Chicken Alfredo Pizza	16900.25	5	
Chicken	The Chicken Pesto Pizza	16701.75	6	
Classic	The Classic Deluxe Pizza	38180.5	1	
Classic	The Hawaiian Pizza	32273.25	2	
Classic	The Pepperoni Pizza	30161.75	3	
Classic	The Greek Pizza	28454.100000000013	4	
Classic	The Italian Capocollo Pizza	25094	5	
Classic	The Napolitana Pizza	24087	6	
Classic	The Big Meat Pizza	22968	7	
Classic	The Pepperoni, Mushroom, ...	18834.5	8	
Supreme	The Spicy Italian Pizza	34831.25	1	
Supreme	The Italian Supreme Pizza	33476.75	2	
Supreme	The Sicilian Pizza	30940.5	3	
Supreme	The Pepper Salami Pizza	25529	4	



THANK YOU

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