

SQL Project on

Pizza sales



YOUR PARAGRAPH TEXT





HELLO!

MY NAME IS GULFAM RAZA AND IN THIS PROJECT I HAVE UTILISE THE SQL
QUERIES TO SOLVE A QUESTION THAT WERE RELATED TO PIZZA SALES.



MEET OUR CHEF



NEIL TRAN



CHIDI EZE



TEDDY YU

RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.

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

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

	total_orders
▶	21350

Result Grid
Form Editor
Field Types
Query Stats

Result 1 x Read Only Co

```
1  -- Calculate the total revenue generated from pizza sales.
2
3  • select
4    round(sum(order_details.quantity * pizzas.price),2) as total_sales
5    from order_details join pizzas
6    on pizzas.pizza_id = order_details.pizza_id
```

Result Grid   Filter Rows: Export:  Wrap Cell Content: 

	total_sales
▶	817860.05

Limit to 50000 rows

```
1  -- Identify the highest-priced pizza.  
2  
3  • select pizza_types.name, pizzas.price  
4    from pizza_types join pizzas  
5    on pizza_types.pizza_type_id = pizzas.pizza_type_id  
6    order by pizzas.price desc limit 1;  
7  
8
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



Fetch rows:



	name	price
▶	The Greek Pizza	35.95



Result
Grid

1 -- Identify the most common pizza size ordered.
2 • SELECT
3 pizzas.size,
4 COUNT(order_details.order_details_id) AS order_count
5 FROM
6 pizzas
7 JOIN
8 order_details ON pizzas.pizza_id = order_details.pizza_id
9 GROUP BY pizzas.size
10 ORDER BY order_count DESC;

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

	size	order_count
▶	L	18526
	M	15385
	S	14137
	XL	544
	XXL	28

Result
Grid

Result 1 x

Read Only Cor

```
1  -- List the top 5 most ordered pizza types
2  -- along with their quantities.
3
4  • select pizza_types.name,
5     sum(order_details.quantity) as quantity
6  from pizza_types join pizzas
7  on pizza_types.pizza_type_id = pizzas.pizza_type_id
8  join order_details
9  on order_details.pizza_id = pizzas.pizza_id
10 group by pizza_types.name order by quantity desc limit 5;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows: |

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

Result Grid
Form Editor
Read Only


```
1  -- Join the necessary tables to find the
2  -- total quantity of each pizza category ordered.
3
4  • select pizza_types.category,
5     sum(order_details.quantity) as quantity
6  from pizza_types join pizzas
7  on pizza_types.pizza_type_id = pizzas.pizza_type_id
8  join order_details
9  on order_details.pizza_id = pizzas.pizza_id
10 group by pizza_types.category order by quantity desc;
```

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

	category	quantity
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050






Result
Grid


Form
Editor



```
1  -- Determine the distribution of orders by hour of the day.
2
3 • SELECT
4     HOUR(time) AS hour, COUNT(order_id) AS order_count
5 FROM
6     orders
7 GROUP BY HOUR(time);
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	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			


1 -- Join relevant tables to find the
2 -- category-wise distribution of pizzas.
3
4 • select category , count(name) from pizza_types
5 group by category;

Result Grid   Filter Rows: Export:  Wrap Cell Content: 

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

Result 1 x 



```
1  -- Group the orders by date and calculate the average
2  -- number of pizzas ordered per day.
3
4  • select round(avg(quantity),0) from
5  (select orders.date, sum(order_details.quantity) as quantity
6   from orders join order_details
7   on orders.order_id = order_details.order_id
8   group by orders.date) as order_quantity;
```

Result Grid   Filter Rows: Export:  Wrap Cell Content: 

	round(avg(quantity),0)
▶	138


Result
Grid

Result 2 x

 Read Only


```
1  -- Determine the top 3 most ordered pizza types based on revenue.
2
3 • select pizza_types.name,
4      sum(order_details.quantity * pizzas.price) as revenue
5  from pizza_types join pizzas
6  on pizzas.pizza_type_id = pizza_types.pizza_type_id
7  join order_details
8  on order_details.pizza_id = pizzas.pizza_id
9  group by pizza_types.name order by revenue desc limit 3;
10
```

	name	revenue
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5



Result 1

Read Only


```

1  -- Calculate the percentage contribution of each
2  -- pizza type to total revenue.
3
4  • select pizza_types.category,
5     (sum(order_details.quantity*pizzas.price) / ( select
6     round(sum(order_details.quantity * pizzas.price),2) as total_sales
7     from order_details join pizzas
8     on pizzas.pizza_id = order_details.pizza_id) )*100 as revenue
9     from pizza_types join pizzas
10    on pizza_types.pizza_type_id = pizzas.pizza_type_id
11    join order_details
12    on order_details.pizza_id = pizzas.pizza_id
13    group by pizza_types.category order by revenue desc;

```

Result Grid   Filter Rows: Export:  Wrap Cell Content: 

	category	revenue
▶	Classic	26.90596025566967
	Supreme	25.45631126009862
	Chicken	23.955137556847287
	Veggie	23.682590927384577





Result
Grid




Result 2 x

Read Only


SQL File 6*SQL File 7*SQL File 8*SQL File 10*SQL File 11*SQL File 12*SQL File 13*SQL File 14*SQL File 15*

Limit to 50000 rows

```
1  -- Analyze the cumulative revenue generated over time.
2
3  • select date,
4    sum(revenue) over(order by date) as cum_revenue
5  from
6    (select orders.date,
7     sum(order_details.quantity * pizzas.price) as revenue
8    from order_details join pizzas
9     on order_details.pizza_id = pizzas.pizza_id
10   join orders
11   on orders.order_id = order_details.order_id
12   group by orders.date) as sales;
```

Result GridFilter Rows: Export:Wrap Cell Content: 

	date	cum_revenue
▶	2015-01-01 00:00:00	2713.85000000000004
	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

Result 1 ×Read Only

Output


```

1  -- Determine the top 3 most ordered pizza types
2  -- based on revenue for each pizza category.
3  • select name, revenue from
4  (select category, name, revenue,
5   rank() over(partition by category order by revenue desc) as rn
6   from
7   (select pizza_types.category, pizza_types.name,
8    sum((order_details.quantity) * pizzas.price) as revenue
9    from pizza_types join pizzas
10   on pizza_types.pizza_type_id = pizzas.pizza_type_id
11   join order_details
12   on order_details.pizza_id = pizzas.pizza_id
13   group by pizza_types.category, pizza_types.name) as a) as b
14  where rn <= 3;

```

Result Grid

Filter Rows:

Export: Wrap Cell Content:

	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

OUR MENU

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THANK YOU!

