



— Delicious —

PIZZA

@reallygreatsite

SCHEMA

order_details ▼
◇ order_details_id INT
◇ order_id INT
◇ pizza_id TEXT
◇ quantity INT

pizza_types ▼
◇ pizza_type_id TEXT
◇ name TEXT
◇ category TEXT
◇ ingredients TEXT

pizzas ▼
◇ pizza_id TEXT
◇ pizza_type_id TEXT
◇ size TEXT
◇ price DOUBLE

orders ▼
🔑 order_id INT
◇ order_date DATE
◇ order_time TIME
Indexes ▶

Retrieve the total number of orders placed.

```
select count(order_id) as total_orders from orders;
```

Result Grid	
	total_orders
▶	21350


Calculate the total revenue generated from pizza sales.

```
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);
```

Result Grid	
	total_sales
▶	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;
```

Result Grid			 Filter Rows: <input type="text"/>	
	name	price		
▶	The Greek Pizza	35.95		

Identify the most common pizza size ordered.

```
select pizzas.size , count(order_details.order_details_id) as order_count
from pizzas join order_details
on (order_details.pizza_id = pizzas.pizza_id)
group by pizzas.size order by order_count desc ;
```

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

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

```
select pizza_types.name, sum(order_details.quantity) as 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 pizza_types.name order by quantity desc limit 5;
```

Result Grid			Filter 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	



oin the necessary tables to find the total quantity of each pizza category ordered.

```
select pizza_types.category , sum(order_details.quantity) as total_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 pizza_types.category order by total_quantity desc limit 5;
```

Result Grid			Filter Rows:
	category	total_quantity	
▶	Classic	14888	
	Supreme	11987	
	Veggie	11649	
	Chicken	11050	



Determine the distribution of orders by hour of the day.

```
select hour(order_time), count(order_id)as order_count from orders  
group by hour(order_time);
```

Result Grid   Filter Rows: <input type="text"/>		
	hour(order_time)	order_count
▶	11	1231
	12	2520
	13	2455
	14	1472
	15	1468
	16	1920




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

```
select category , count(name) from pizza_types  
group by category;
```

Result Grid   Filter Rows:		
	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(total_orders),0) from  
  (select orders.order_date, sum(order_details.quantity) as total_orders  
from orders join order_details  
on orders.order_id = order_details.order_id  
group by orders.order_date)as data;
```

Result Grid				Filter Rows:
	round(avg(total_orders),0)			
	138			

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

```
select pizza_types.name , sum(order_details.quantity * pizzas.price) as revenue
from pizza_types join pizzas
on pizzas.pizza_type_id = pizza_types.pizza_type_id
join order_details
on order_details.pizza_id = pizzas.pizza_id
group by pizza_types.name order by revenue desc limit 3;
```

Result Grid			Filter Rows:
	name	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;
```

Result Grid			Filter Rows:	
	category	revenue		
▶	Classic	26.91		
	Supreme	25.46		
	Chicken	23.96		
	Veggie	23.68		

Analyze the cumulative revenue generated over time.

```
select order_date, sum(revenue) over (order by order_date) as cumulative_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 orders.order_date) as sales ;
```

Result Grid   Filter Rows: <input type="text"/>		
	order_date	cumulative_revenue
▶	2015-01-01	2713.85000000000004
	2015-01-02	5445.75
	2015-01-03	8108.15
	2015-01-04	9863.6
	2015-01-05	11929.55
	2015-01-06	14358.5

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

```
select category , 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;
```

Result Grid			
	category	name	revenue
▶	Chicken	The Thai Chicken Pizza	43434.25
	Chicken	The Barbecue Chicken Pizza	42768
	Chicken	The California Chicken Pizza	41409.5
	Classic	The Classic Deluxe Pizza	38180.5
	Classic	The Hawaiian Pizza	32273.25
	Classic	The Pepperoni Pizza	30161.75

Result Grid			
	category	name	revenue
	Supreme	The Spicy Italian Pizza	34831.25
	Supreme	The Italian Supreme Pizza	33476.75
	Supreme	The Sicilian Pizza	30940.5
	Veggie	The Four Cheese Pizza	32265.70000000065
	Veggie	The Mexicana Pizza	26780.75
	Veggie	The Five Cheese Pizza	26066.5



THANK
YOU

