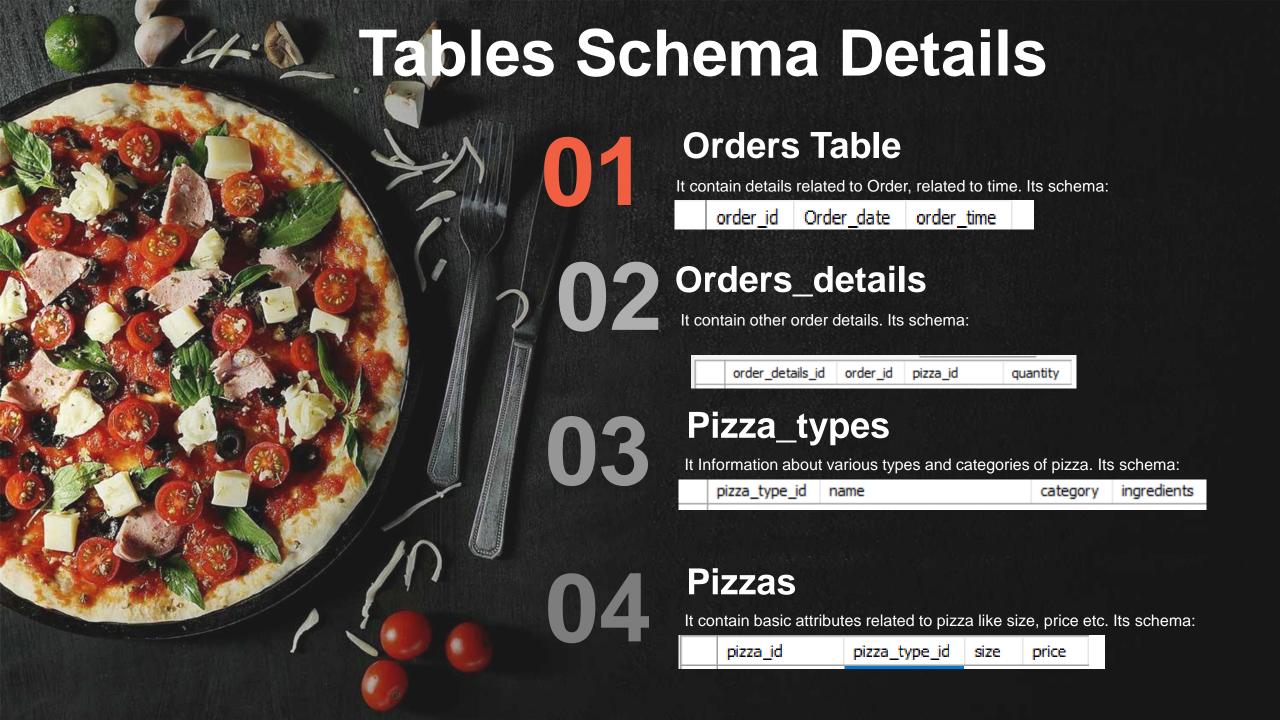


Slice of Data: **SQL Solution** for Pizza Ordering System





### 1. Retrieve the total number of orders placed?

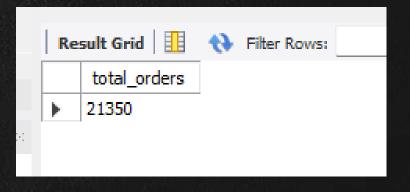


SELECT

COUNT(\*) AS total\_orders

FROM

orders

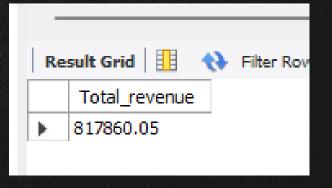




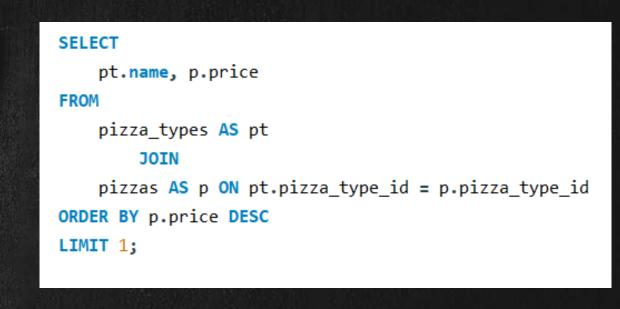
#### 2. Calculate the total revenue generated from pizza sales?



```
SELECT
    ROUND(SUM(q.quantity * p.Price), 2) AS Total_revenue
FROM
    orders_details AS q
        JOIN
    pizzas AS p ON q.pizza_id = p.pizza_id
```



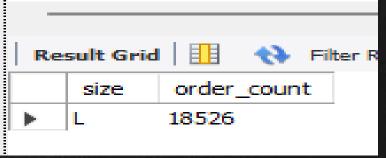
#### 3. Identify the highest-priced pizza.pizza\_types?

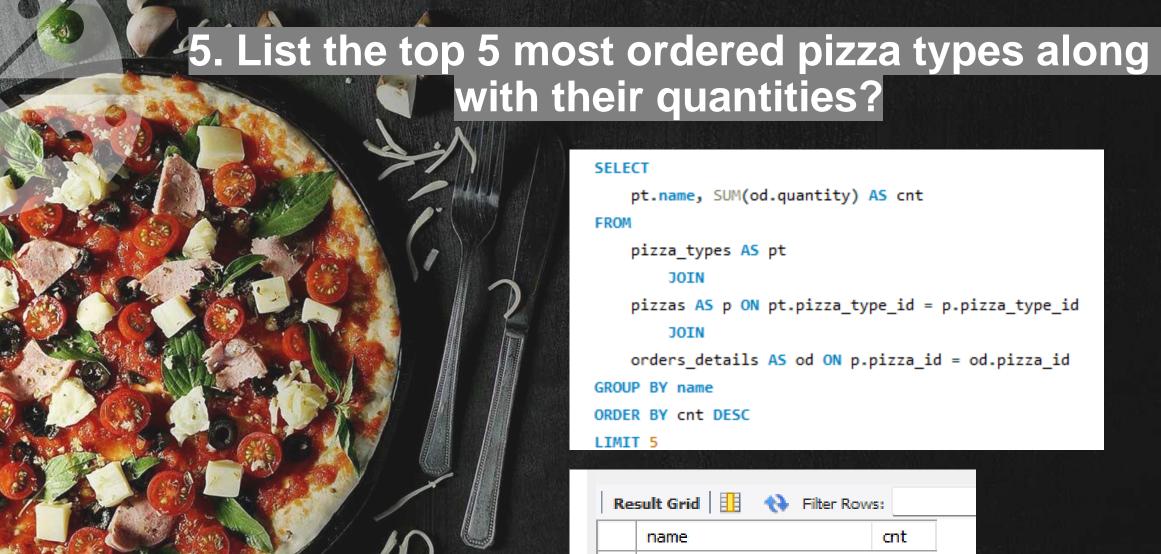




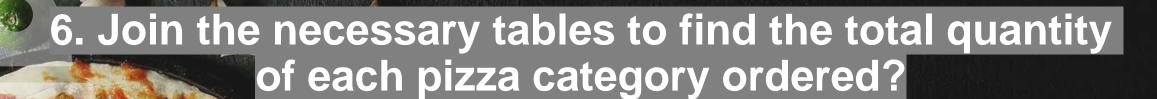
#### 4. Identify the most common pizza size ordered?

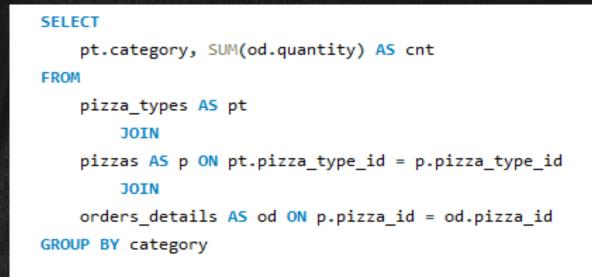




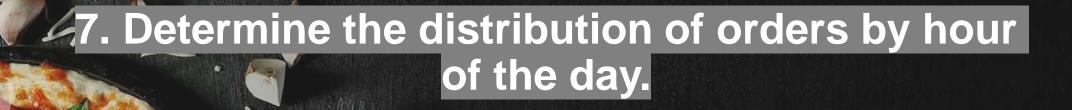


Result Grid 1			
	name	cnt	
<b>)</b>	The Classic Deluxe Pizza	2453	
	The Barbecue Chicken Pizza	2432	
	The Hawaiian Pizza	2422	
	The Pepperoni Pizza	2418	
	The Thai Chicken Pizza	2371	





Res	sult Grid   🎚	44	Filter Rows
	category	cnt	
<b>&gt;</b>	Classic	14888	
	Veggie	11649	
	Supreme	11987	
	Chicken	11050	





HOUR(order\_time) AS hour, COUNT(order\_id) AS cnt

FROM

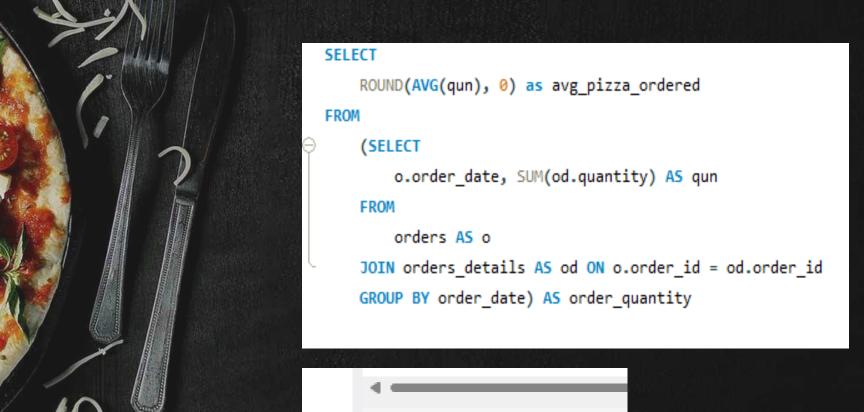
orders

GROUP BY hour

ORDER BY cnt desc

Result Grid		
	hour	cnt
<b>J</b>	12	2520
	13	2455
	18	2399
	17	2336
	19	2009
	16	1920
	20	1642
	14	1472
	15	1468
	11	1231
	21	1198
	22	663
	23	28
	10	8
	9	1

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

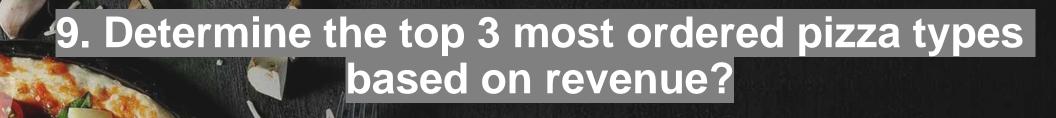


Result Grid

138

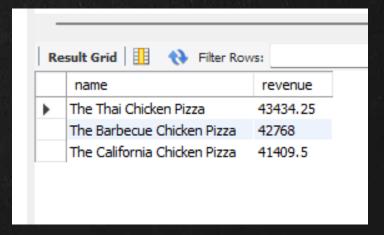
avg\_pizza\_ordered

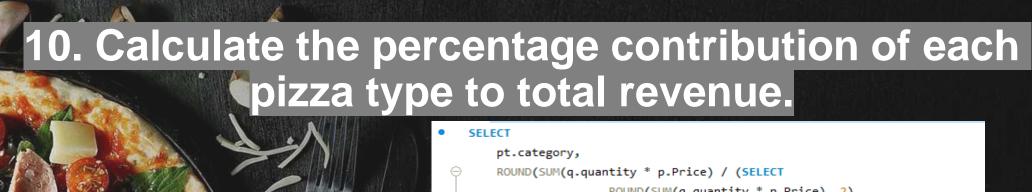
Filter R



```
pt.name, ROUND(SUM(q.quantity * p.Price), 2) AS revenue
FROM

    orders_details AS q
        JOIN
    pizzas AS p ON q.pizza_id = p.pizza_id
        JOIN
    pizza_types AS pt ON p.pizza_type_id = pt.pizza_type_id
GROUP BY pt.name
ORDER BY revenue DESC
LIMIT 3
```





```
pt.category,

ROUND(SUM(q.quantity * p.Price) / (SELECT

ROUND(SUM(q.quantity * p.Price), 2)

FROM

orders_details AS q

JOIN

pizzas AS p ON q.pizza_id = p.pizza_id) * 100,

2) revenue

FROM

orders_details AS q

JOIN

pizzas AS p ON q.pizza_id = p.pizza_id

JOIN

pizzas AS p ON q.pizza_id = p.pizza_id

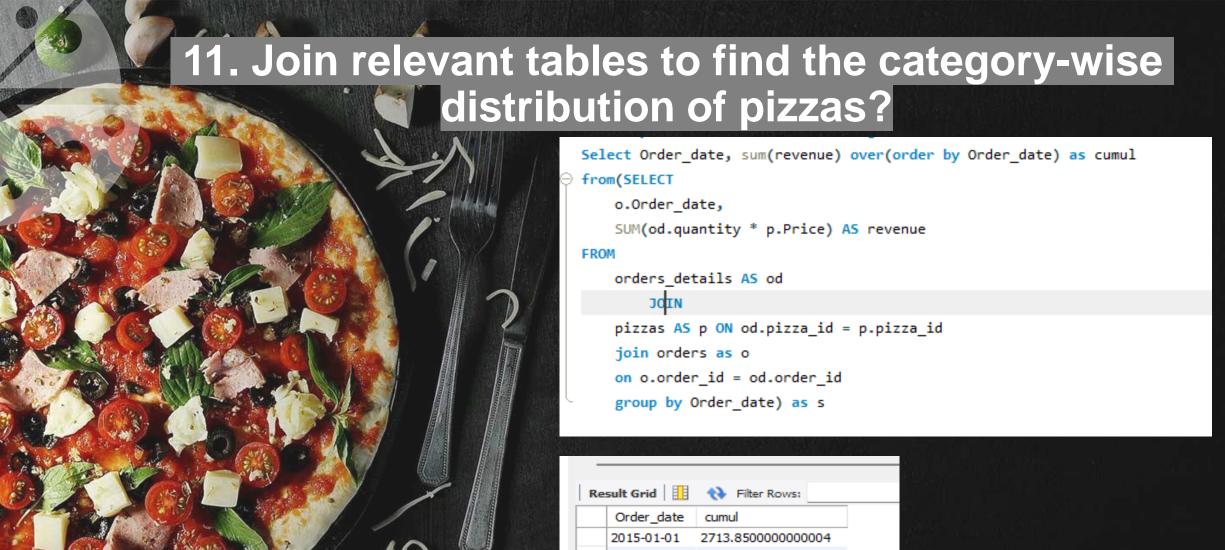
JOIN

pizza_types AS pt ON p.pizza_type_id = pt.pizza_type_id

GROUP BY pt.category

ORDER BY revenue DESC
```

Re	sult Grid	I 🙌 Fi	ter Rows:
	category	revenue	
<b>&gt;</b>	Classic	26.91	
	Supreme	25.46	
	Chicken	23.96	
	Veggie	23.68	



Re	esult Grid	Name of the Filter Rows:
	Order_date	cumul
	2015-01-01	2713.8500000000004
	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
	2015-01-07	16560.7
	2015-01-08	19399.05
	2015-01-09	21526.4
	2015-01-10	23990.350000000002

## 12. 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
    pt.category, pt.name,
    sum((q.quantity)* p.price) as revenue
FROM
   orders details AS q
        JOIN
    pizzas AS p ON q.pizza id = p.pizza id
        JOIN
    pizza types AS pt ON p.pizza type id = pt.pizza type id
GROUP BY pt.category, pt.name) as a) as r
where rn<=3
```

Re	Result Grid				
	category	name	revenue		
<b>&gt;</b>	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		
	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		

