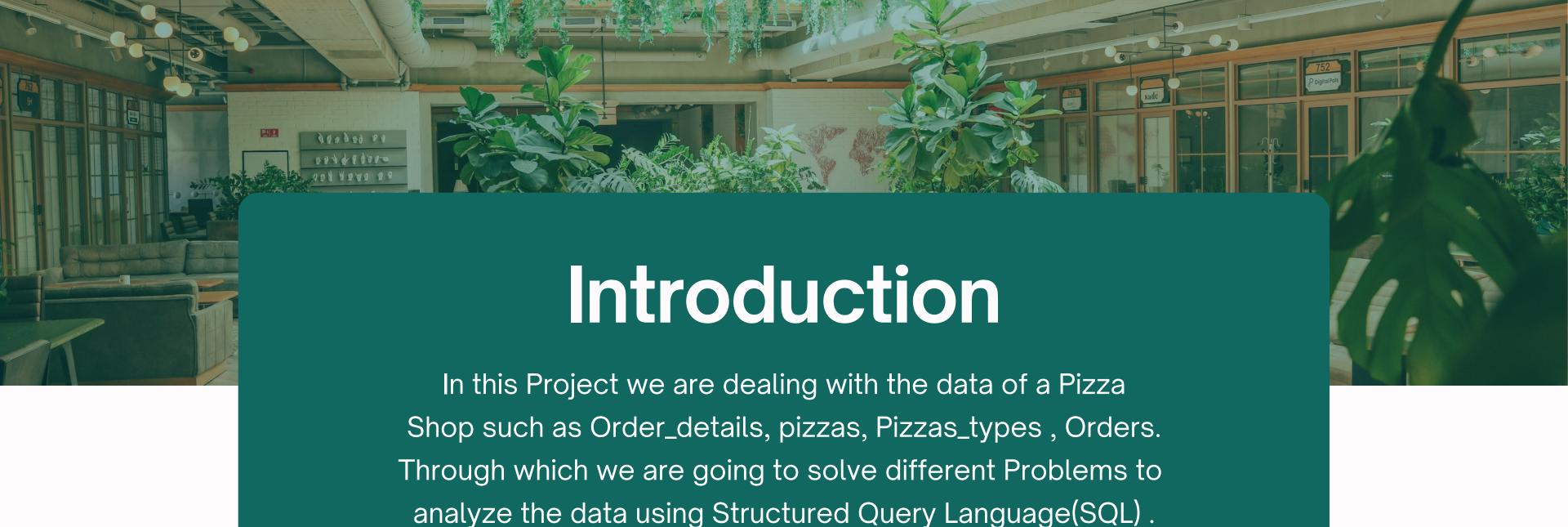
Data Analysis Using SQL Project





Retrieve the total number of orders placed

select count(order_id) as total_orders from orders;



calculate the total revenue generated from pizza sales.

SELECT

ROUND(SUM(order_details.quantity * pizzas.price),

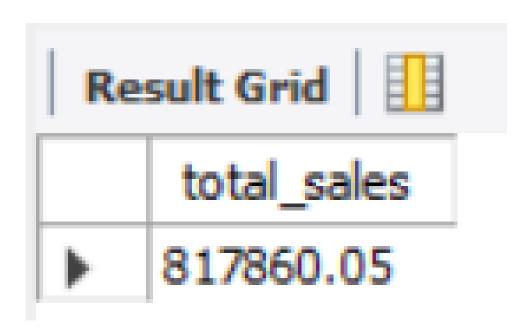
2) AS total_sales

FROM

order_details

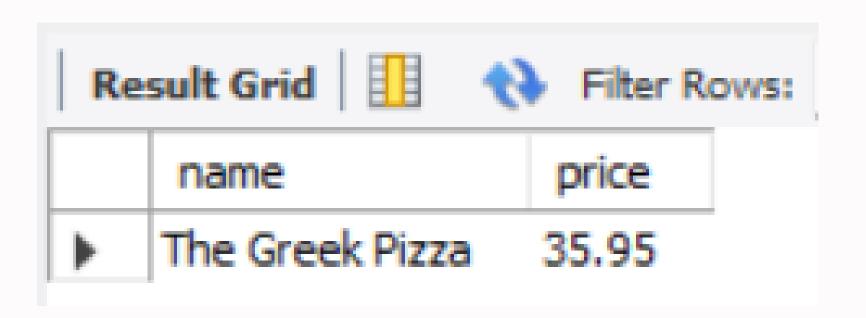
JOIN

pizzas ON pizzas.pizza_id = order_details.pizza_id



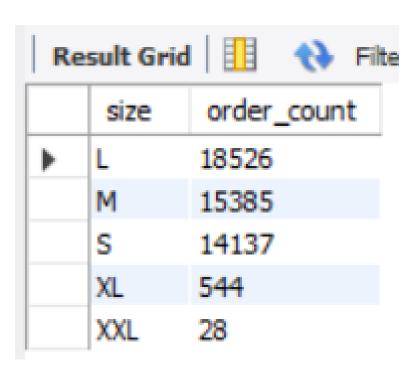
Identify the highest-priced pizzas

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;



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 pizzas.pizza_id = order_details.pizza_id group by pizzas.size order by order_count desc;



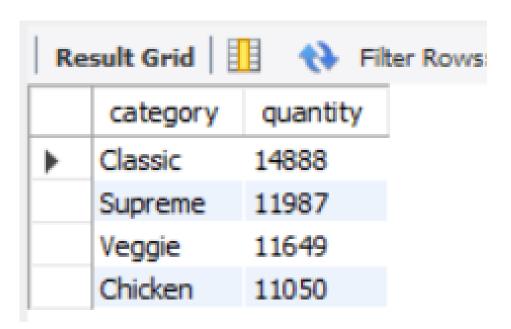
list the top 5 most ordered pizza types along with their quantities.

```
• 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				
	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		

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

SELECT



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				
	hour(order_time)	order_count		
•	11	1231		
	12	2520		
	13	2455		
	14	1472		
	15	1468		

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

```
• SELECT

ROUND(AVG(quantity), ∅)

FROM

(SELECT

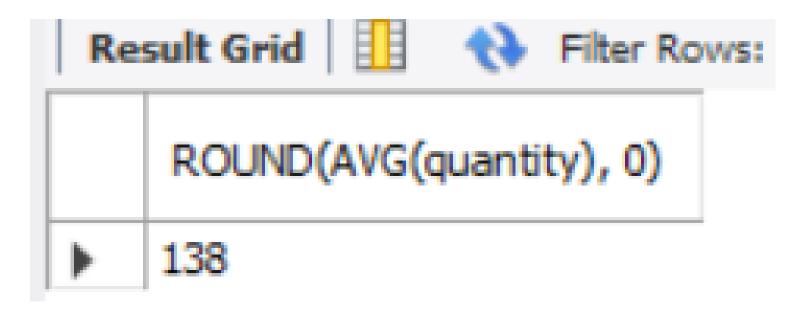
orders.order_date, SUM(order_details.quantity) AS quantity

FROM

orders

JOIN order_details ON orders.order_id = order_details.order_id

GROUP BY orders.order_date) AS order_quantity;
```



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				
	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 tatal revenue.

Re	Result Grid				
	category	revenue			
•	Classic	26.90596025566967			
	Supreme	25.45631126009862			
	Chicken	23.955137556847287			
	Veggie	23.682590927384577			