



SQL Project on Pizza Sales

Hello , I am Avani Kushwaha

In this project

I have analyzed Pizza Sales data using SQL queries
by solving the questions related to pizza sales
to provide meaningful insights into sales performance, to identify trends and
understand customer preferences.



Questions

Retrieve the total number of orders placed.

Calculate the total revenue generated from pizza sales.

Identify the highest-priced pizza.

Identify the most common pizza size ordered.

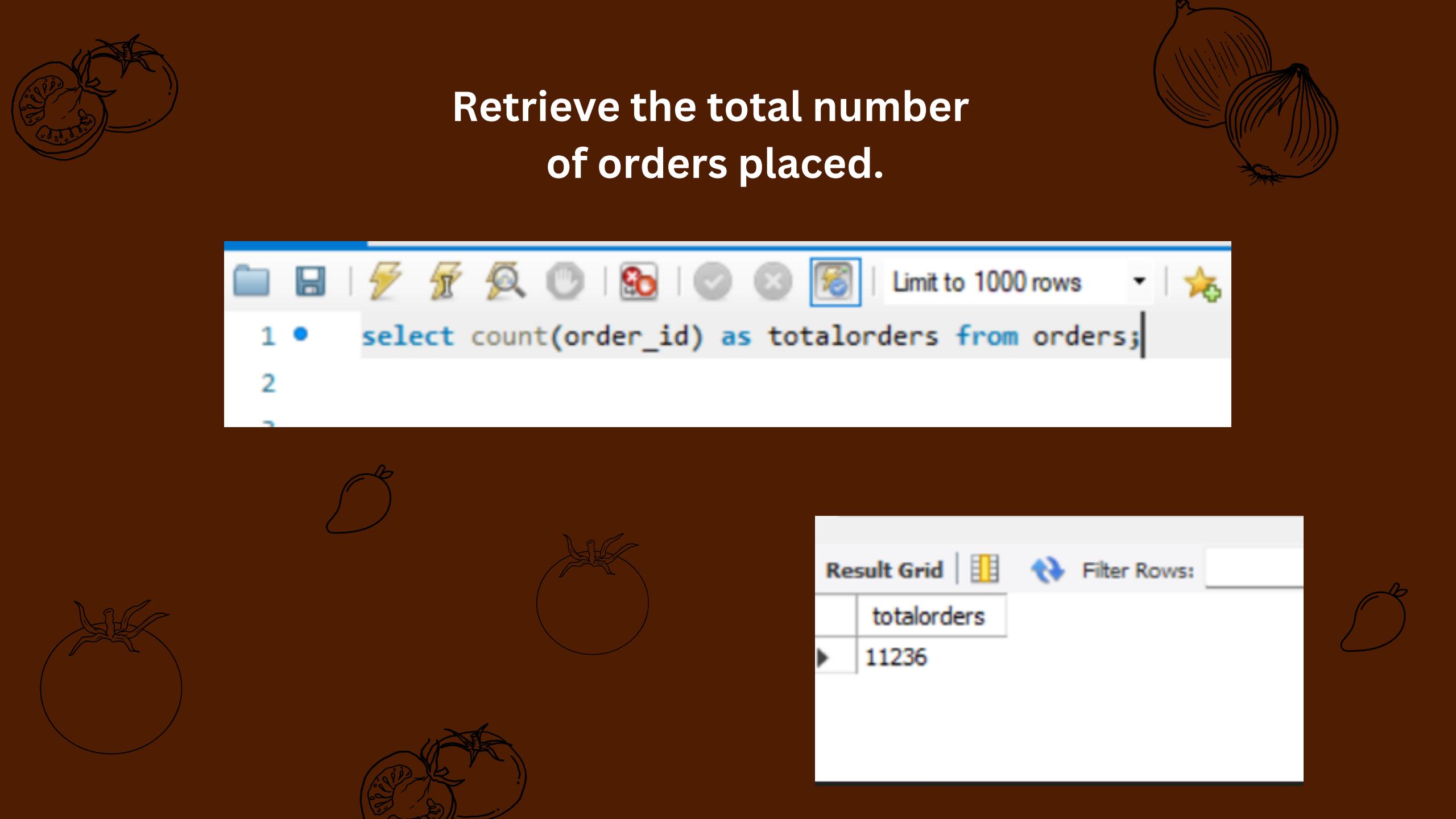
List the top 5 most ordered pizza types along with their quantities.

Determine the distribution of orders by hour of the day.

Find the category-wise distribution of pizzas.

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

Retrieve the total number of orders placed.



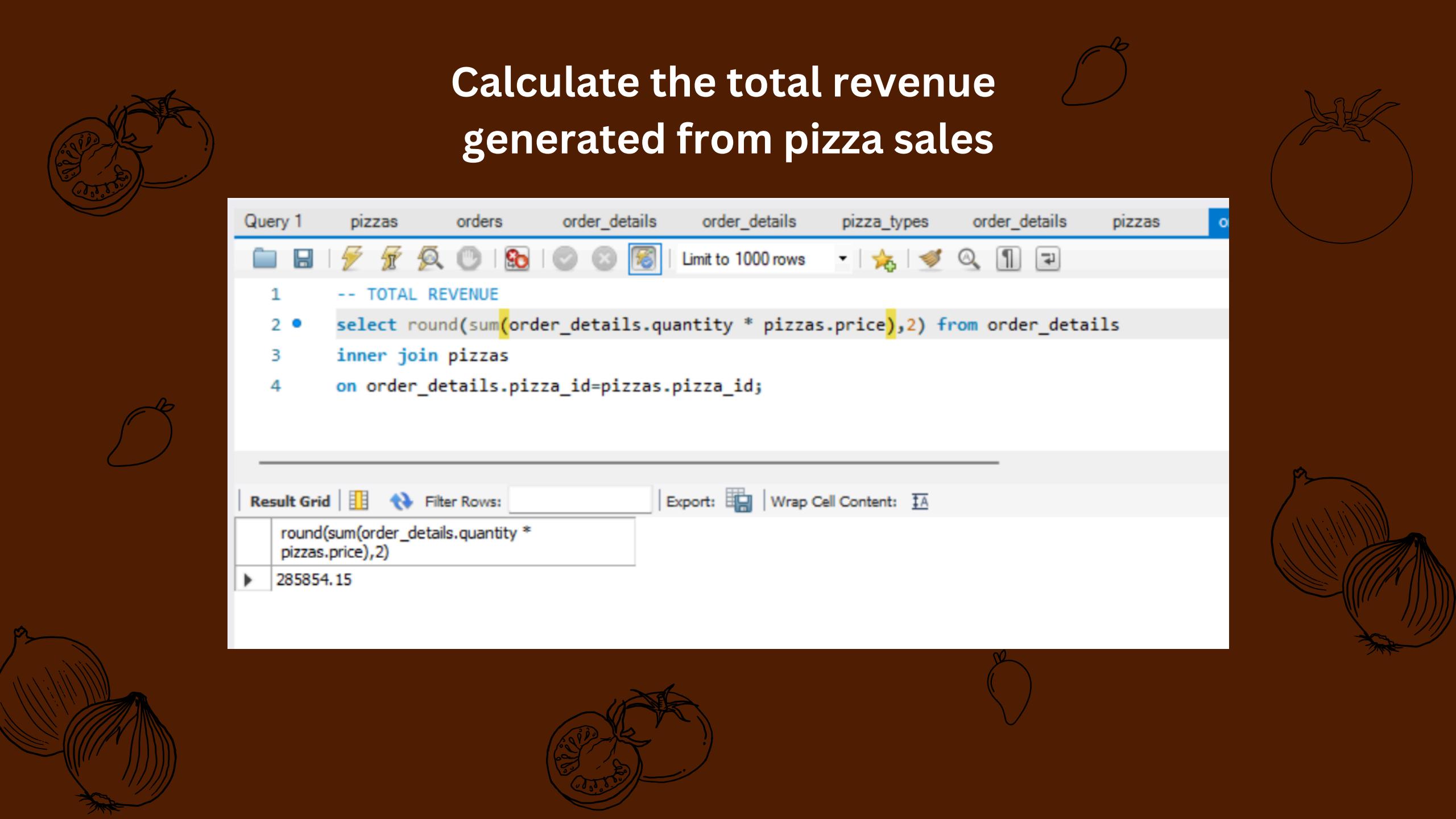
```
1 • select count(order_id) as totalorders from orders;
```

Result Grid | Filter Rows:

totalorders
11236



Calculate the total revenue generated from pizza sales



```
Query 1 pizzas orders order_details order_details pizza_types order_details pizzas
1 -- TOTAL REVENUE
2 • select round(sum(order_details.quantity * pizzas.price),2) from order_details
3 inner join pizzas
4 on order_details.pizza_id=pizzas.pizza_id;

Result Grid | Filter Rows: _____ | Export: | Wrap Cell Content: 
round(sum(order_details.quantity *
pizzas.price),2)
▶ 285854.15
```

Identify the highest-priced pizza.

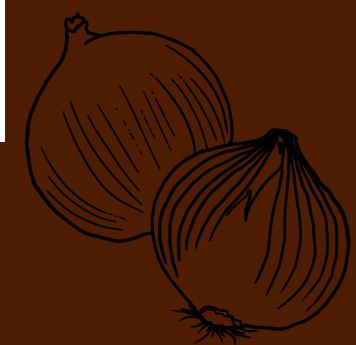
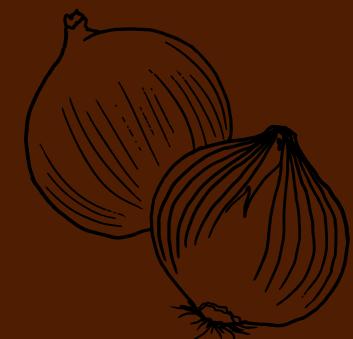
The screenshot shows a MySQL Workbench interface with the following details:

- Toolbar:** Includes icons for file operations, search, and database management.
- Query Editor:** Displays the following SQL code:

```
1 -- IDENTIFY THE HIGHEST PRICE PIZZA
2
3 • select max(price) from pizzas;
```

The third line, "select max(price) from pizzas;", is highlighted with a blue selection bar.
- Result Grid:** Shows the output of the query:

max(price)
35.95
- Bottom Bar:** Includes buttons for "Result Grid", "Filter Rows:", "Export:", and "Wrap Cell Content:".



Identify the most common pizza size ordered

```
1  -- IDENTIFY MOST COMMON SIZE OF PIZZA ORDERED
2
3 • select pizzas.size, count(order_details.order_details_id) as number_of_orders from pizzas
4   join order_details
5     on pizzas.pizza_id=order_details.pizza_id
6   group by pizzas.size
7   order by number_of_orders desc;
```

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

	size	number_of_orders
▶	L	6467
	M	5372
	S	4964
	XL	200
	XXL	12

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

```
1 -- LIST TOP 5 MOST ORDERED PIZZAS TYPES ALONG WITH THEIR QUANTITIES
2
3 • select pizza_types.name,sum(order_details.quantity) as sumofquantity from pizza_types
4 join pizzas
5 on pizzas.pizza_type_id=pizza_types.pizza_type_id
6 join order_details
7 on pizzas.pizza_id= order_details.pizza_id
8 group by pizza_types.name order by sumofquantity desc
9 limit 5;
```

Result Grid					
		Export:	Wrap Cell Content:	Fetch rows:	
	name	sumofquantity			
▶	The Barbecue Chicken Pizza	883			
	The Hawaiian Pizza	859			
	The Pepperoni Pizza	844			
	The Classic Deluxe Pizza	821			
	The Thai Chicken Pizza	817			



Determine the distribution of orders by hour of the day



```
1 -- DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF A DAY
2
3 • select count(order_id) as orders, hour(time) as hours from orders
4 group by hours;
```

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

	orders	hours
▶	618	11
	1345	12
	1257	13
	825	14
	773	15
	1000	16
	1285	17
	1242	18
	1044	19
	871	20
	626	21
	330	22
	14	23



Find the category-wise distribution of pizzas.

```
1 -- CATEGORY WISE DISTRIBUTION OF PIZZA
2 • select count(name) as orders , category from pizza_types
3 group by category;
```

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

orders	category
6	Chicken
8	Classic
9	Supreme
9	Veggie

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 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 revenue desc limit 3;
```

|   | name                         | revenue  |
|---|------------------------------|----------|
| ▶ | The Barbecue Chicken Pizza   | 15602.25 |
|   | The Thai Chicken Pizza       | 14864.75 |
|   | The California Chicken Pizza | 14247.25 |