SQL Project on

Pizza sales

YOUR PARAGRAPH TEXT

LARANA PIZZA

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.

LARANA PIZZA

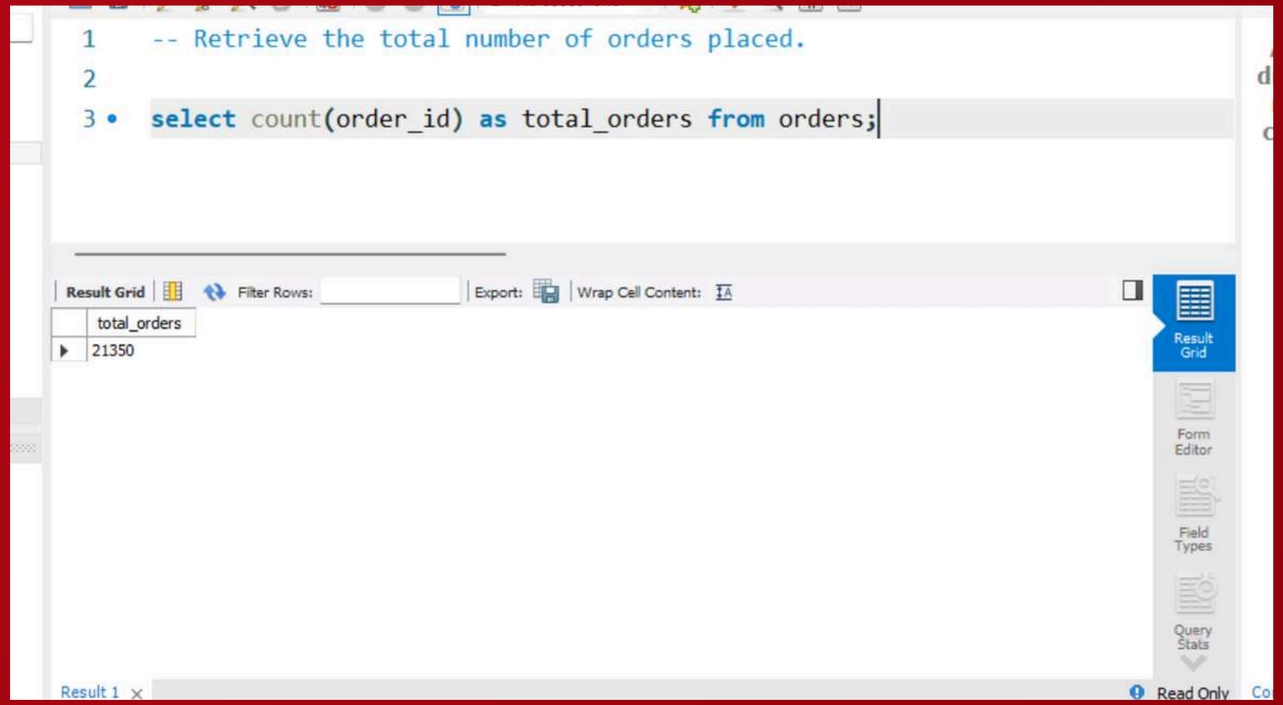
MEET OUR CHEF

NEIL TRAN

CHIDI EZE

TEDDY YU

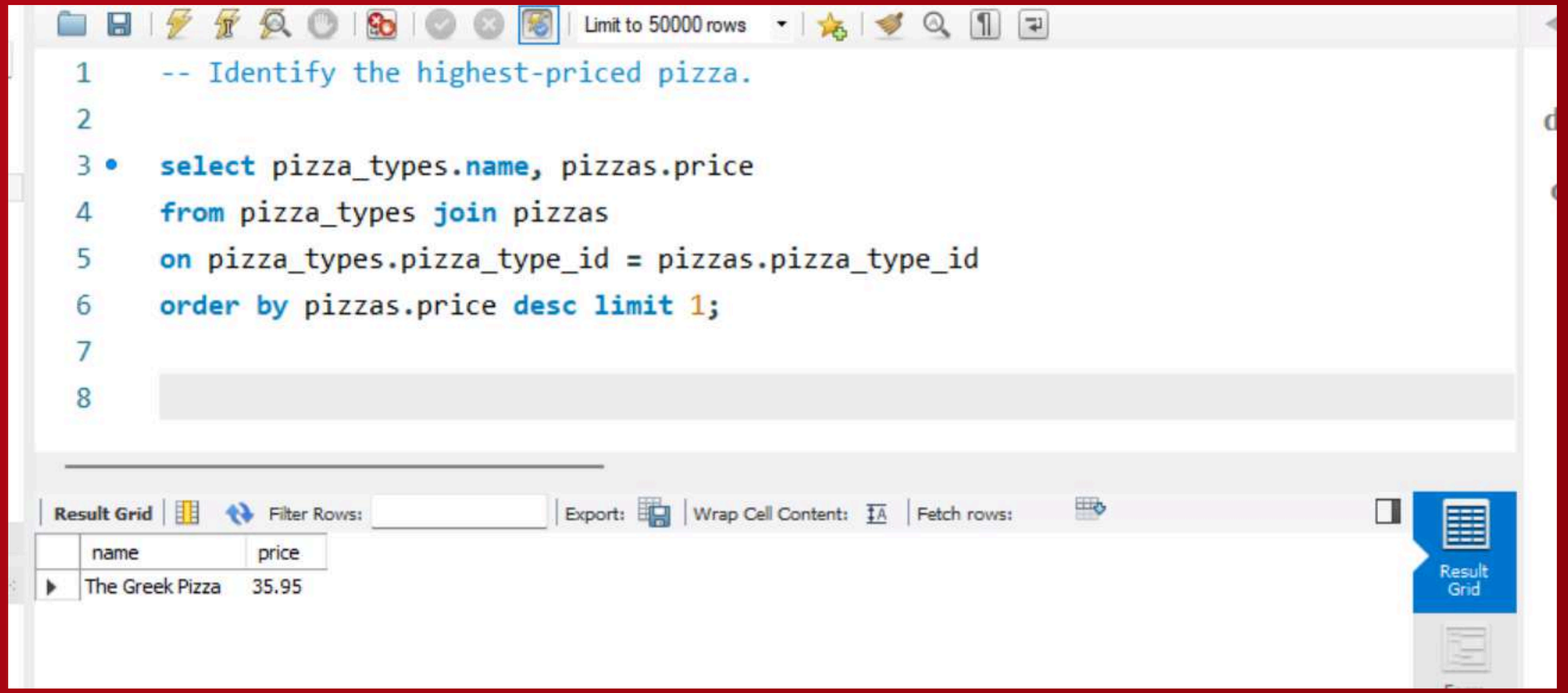
- RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.

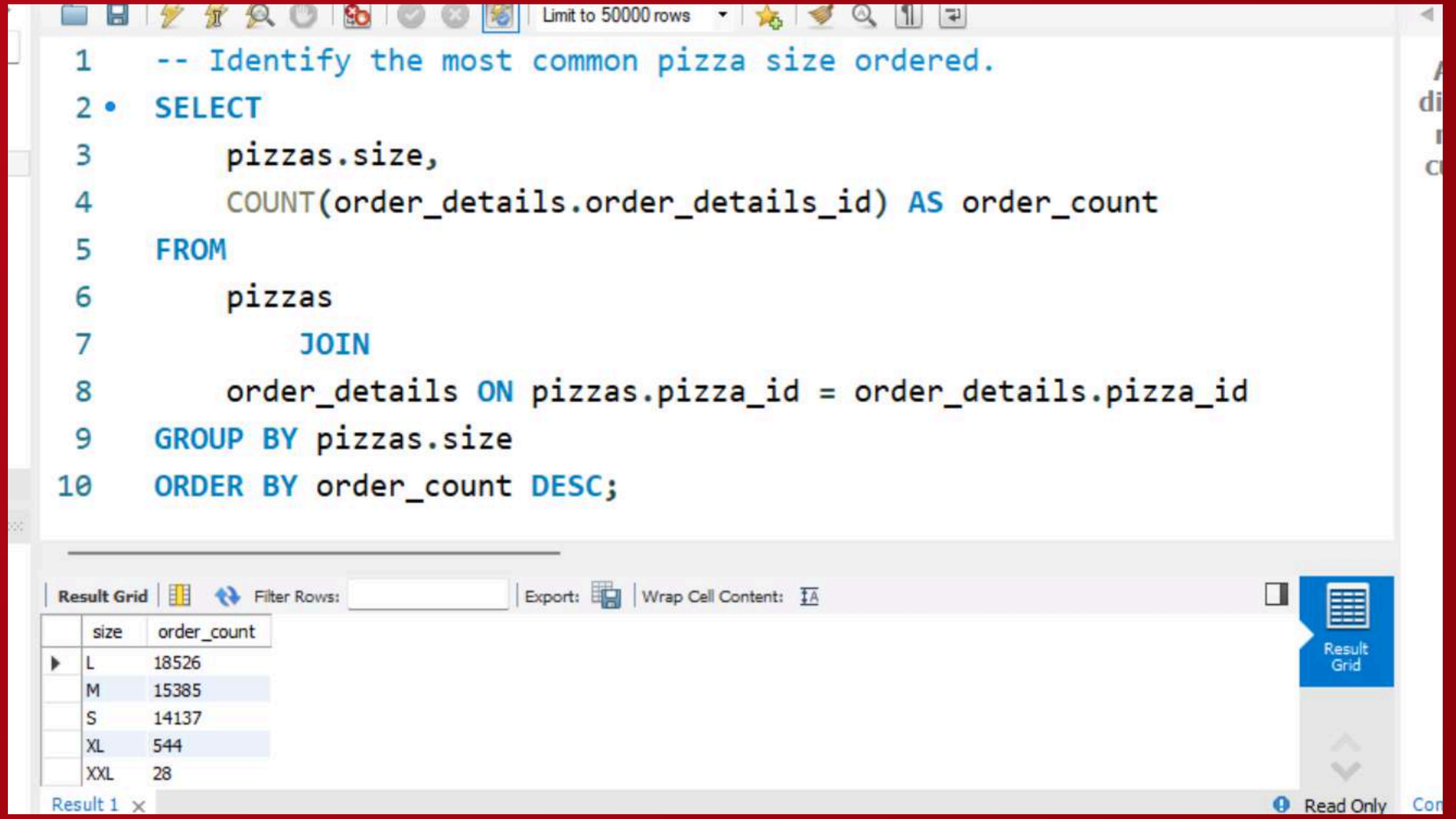


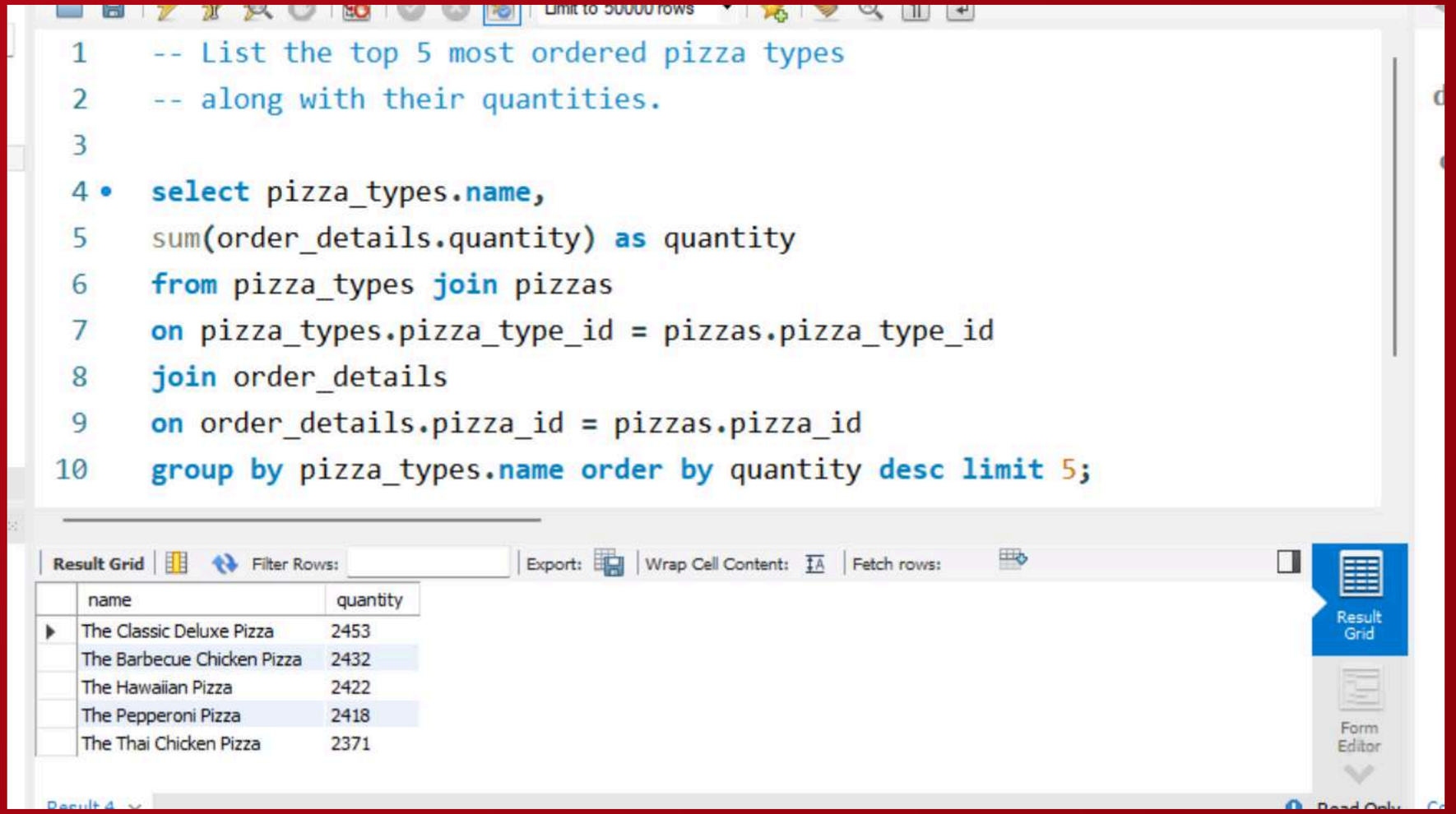
```sql
-- Calculate the total revenue generated from pizza sales.

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 | 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


Limit to 50000 rows
-- 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;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
size
order_count
L 18526
M 15385
S 14137
XL 544
XXL 28
Result 1
Read Only


Limit to 50000 rows
-- 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:
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

```sql
-- Join the necessary tables to find the
-- total quantity of each pizza category ordered.

select pizza_types.category,
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.category order by quantity desc;
```

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

category	quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

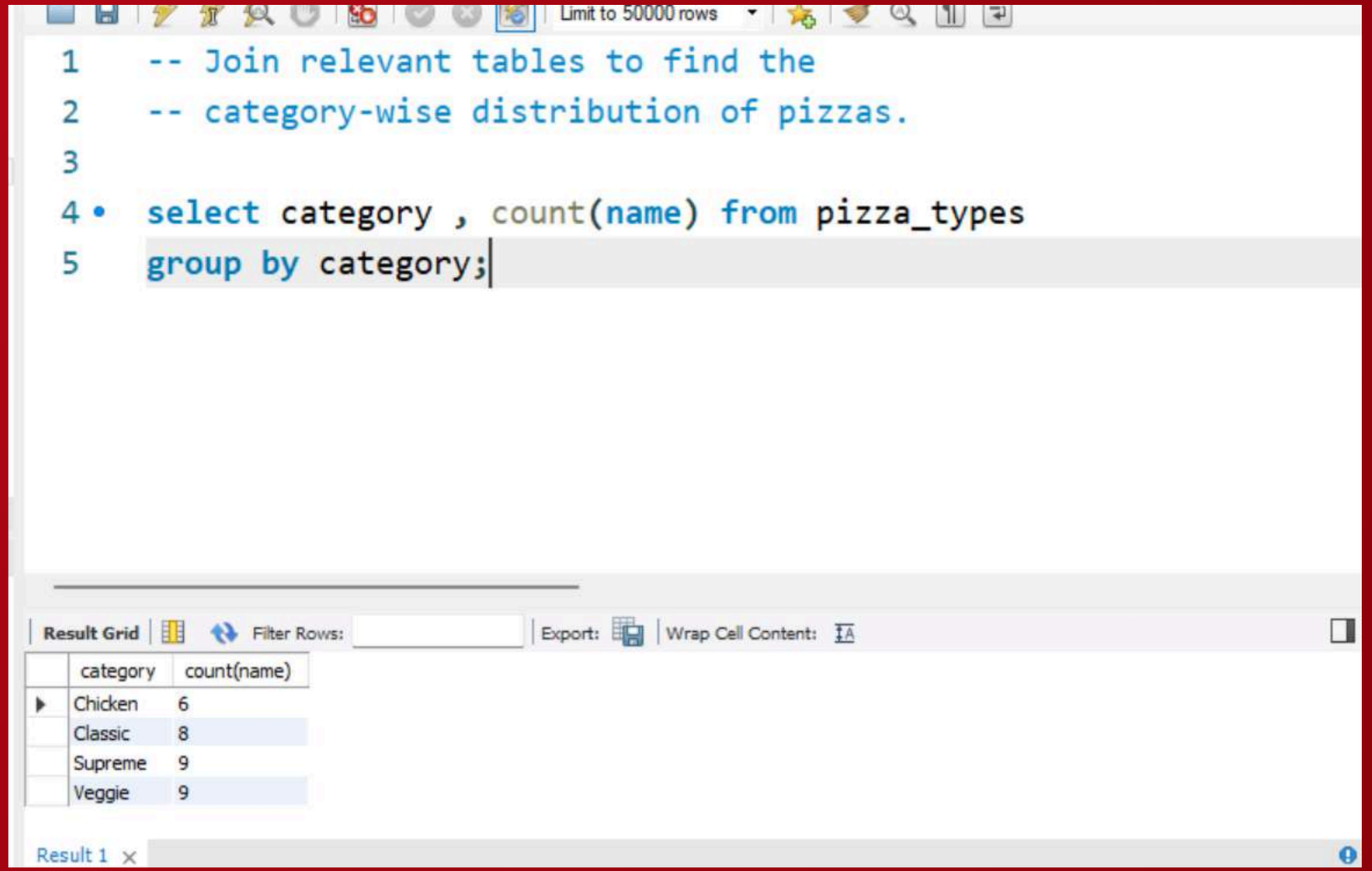
Result Grid

Form Editor

```sql
-- Determine the distribution of orders by hour of the day.

SELECT
    HOUR(time) AS hour, COUNT(order_id) AS order_count
FROM
    orders
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


Limit to 50000 rows
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

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

select round(avg(quantity),0) from
(select orders.date, sum(order_details.quantity) as quantity
from orders join order_details
on orders.order_id = order_details.order_id
group by orders.date) as order_quantity;
```

```sql
-- 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;

```

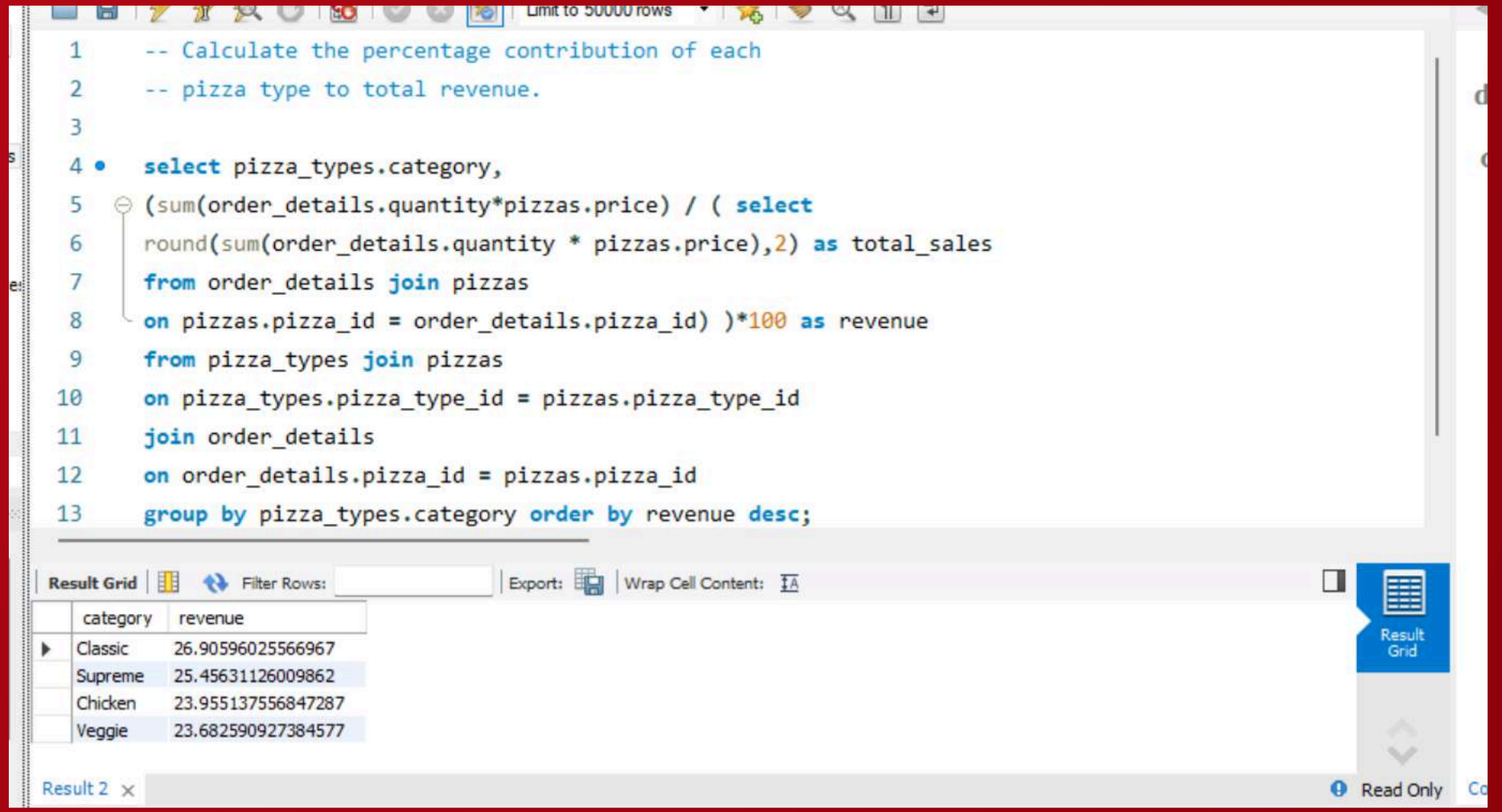
Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

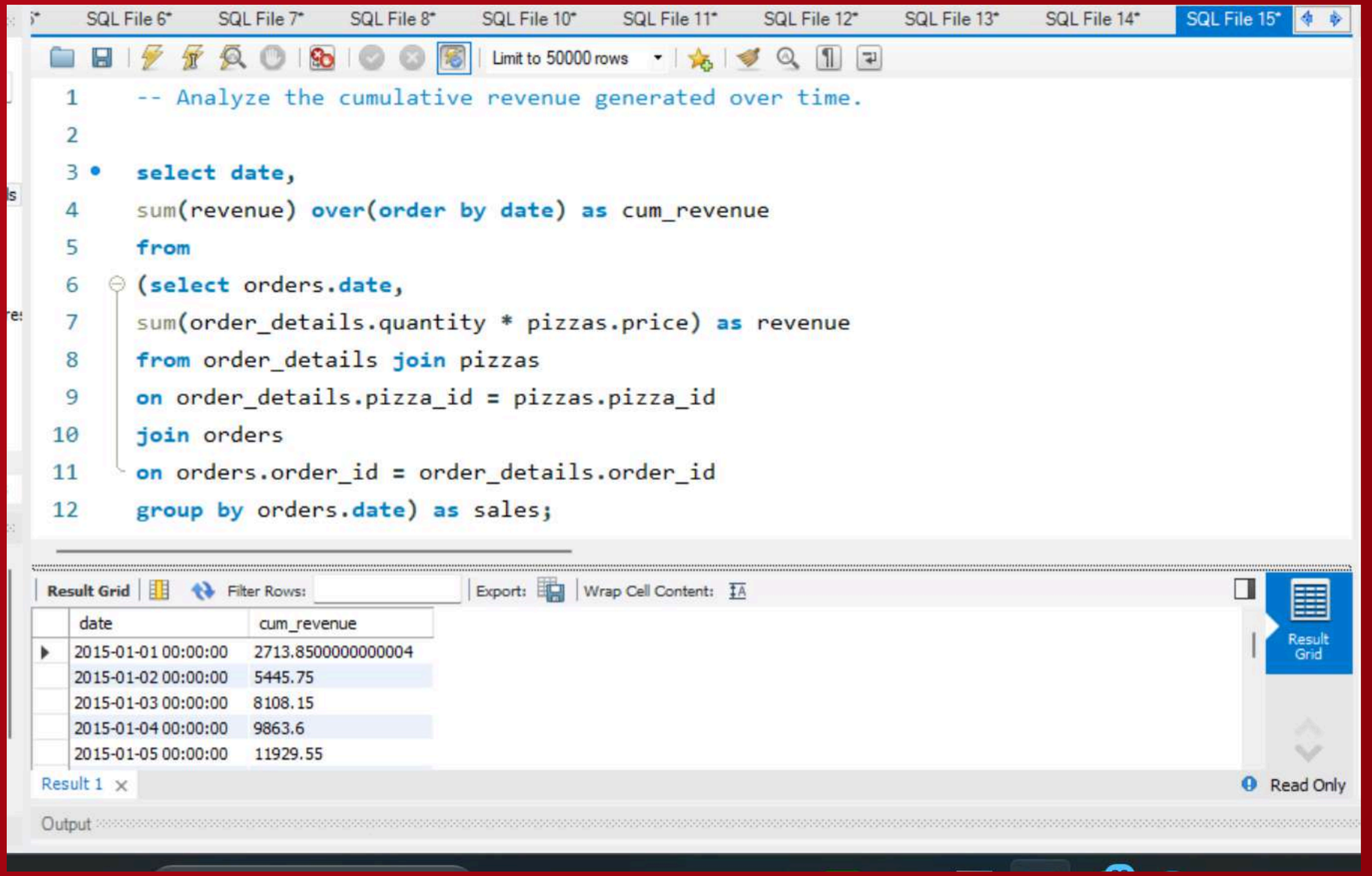
name	revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5

Result Grid

Result 1

Read Only


Limit to 50000 rows
-- Calculate the percentage contribution of each
-- pizza type to total revenue.
select pizza_types.category,
(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 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:
Export:
Wrap Cell Content:
category
revenue
Classic
26.90596025566967
Supreme
25.45631126009862
Chicken
23.955137556847287
Veggie
23.682590927384577
Result Grid
Result 2
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
-- Analyze the cumulative revenue generated over time.
select date,
sum(revenue) over(order by date) as cum_revenue
from
(select orders.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.date) as sales;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
date
cum_revenue
2015-01-01 00:00:00
2713.8500000000004
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

```sql
-- Determine the top 3 most ordered pizza types
-- based on revenue for each pizza category.
select 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 | 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	32265.70000000065
The Mexicana Pizza	26780.75
The Five Cheese Pizza	26066.5

LARANA PIZZA

OUR MENU

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

BEST SELLER

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MOZARELLA PIZZA

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LARANA PIZZA

FREE DELIVERY SERVICE

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LARANA PIZZA

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LARANA PIZZA

THANK YOU!