LARANA PIZZA

MY SQL

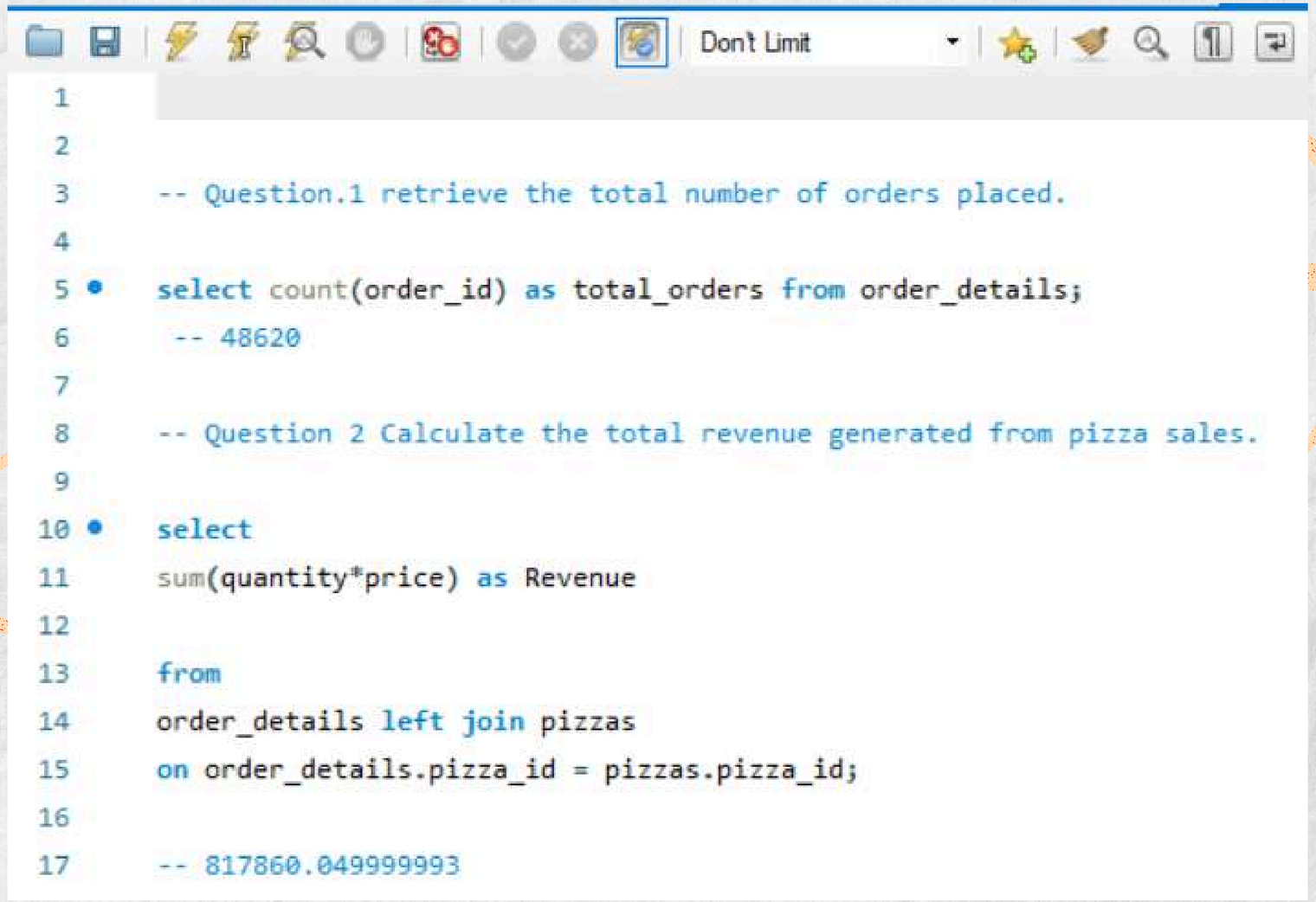
PIZZA PROJECT

NEXT >

AIM

- Analyze Sales Data: Gain insights into pizza orders, including total sales, revenue, popular items, and distribution patterns.
- Optimize Business Strategies: Provide actionable data on customer preferences, revenue streams, and sales trends to support decision-making.
- Enhance Operational Efficiency: Highlight trends like peak order hours or popular categories for resource allocation and inventory planning.
- Monitor Revenue Growth: Track cumulative and percentage-based contributions to evaluate the success of product offerings.

QUERIES



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NEXT >

```sql
-- Question 3 Identify the highest-priced pizza.

select price, pizza_id from pizzas
order by price desc;

-- 35.95 usd is highest price pizza(the_greek_xxl)


 -- Question 4 Identify the most common pizza size ordered.
 use pizza_shop;
 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
 limit 5;
-- L    18526
-- M    15385
-- S    14137
-- XL   544
-- XXL  28
```

Don't Limit

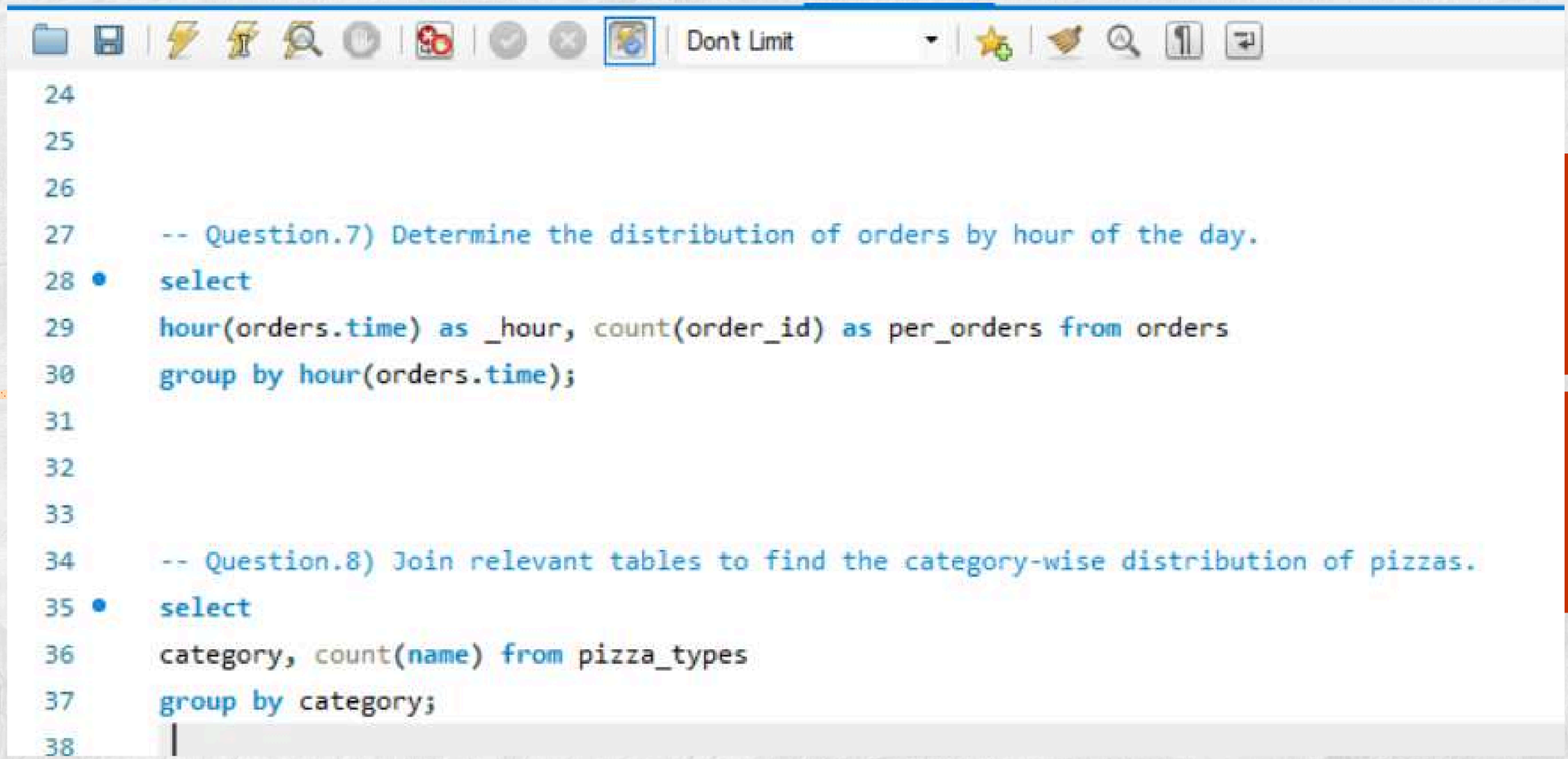
```
40
41
42      -- Question 5 List the top 5 most ordered pizza types along with their quantities.
43
44  •   select pizza_types.name,
45      sum(order_details.quantity) as total
46      from pizza_types join  pizzas
47      on pizza_types.pizza_type_id = pizzas.pizza_type_id
48      join order_details
49      on order_details.pizza_id = pizzas.pizza_id
50      group by pizza_types.name order by total desc limit 5;
51      -- ANSWER 5
52      -- 21350    1   bbq_ckn
53      -- 21349    1   mexicana
54      -- 21348    1   napolitana
55      -- 21348    1   four_cheese
56      -- 21348    1   ckn_alfredo
57
58
59
60
61
```

Don't Limit

```sql
-- Question 6 -- Join the necessary tables to find the total quantity of each pizza category ordered.?

select * from pizza_types;
select * from order_details;

select
sum(quantity) as total_quantity,
category
from
pizzas join pizza_types
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;
```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24
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27 -- Question.7) Determine the distribution of orders by hour of the day.
28 select
29 hour(orders.time) as _hour, count(order_id) as per_orders from orders
30 group by hour(orders.time);
31
32
33
34 -- Question.8) Join relevant tables to find the category-wise distribution of pizzas.
35 select
36 category, count(name) from pizza_types
37 group by category;
38

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FREE DELIVERY

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-- Question.9 Group the orders by date and calculate the average number of pizzas ordered per day.

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

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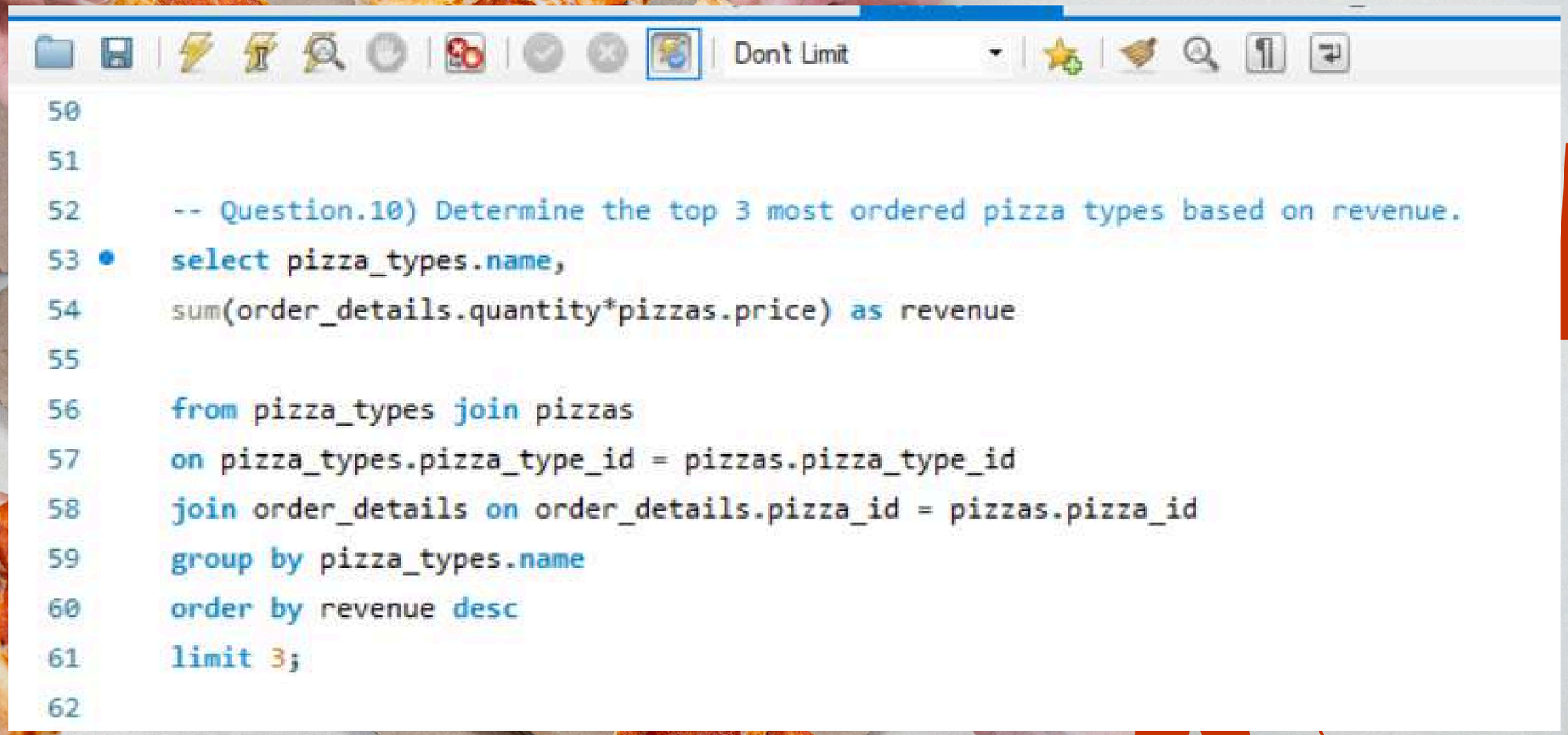
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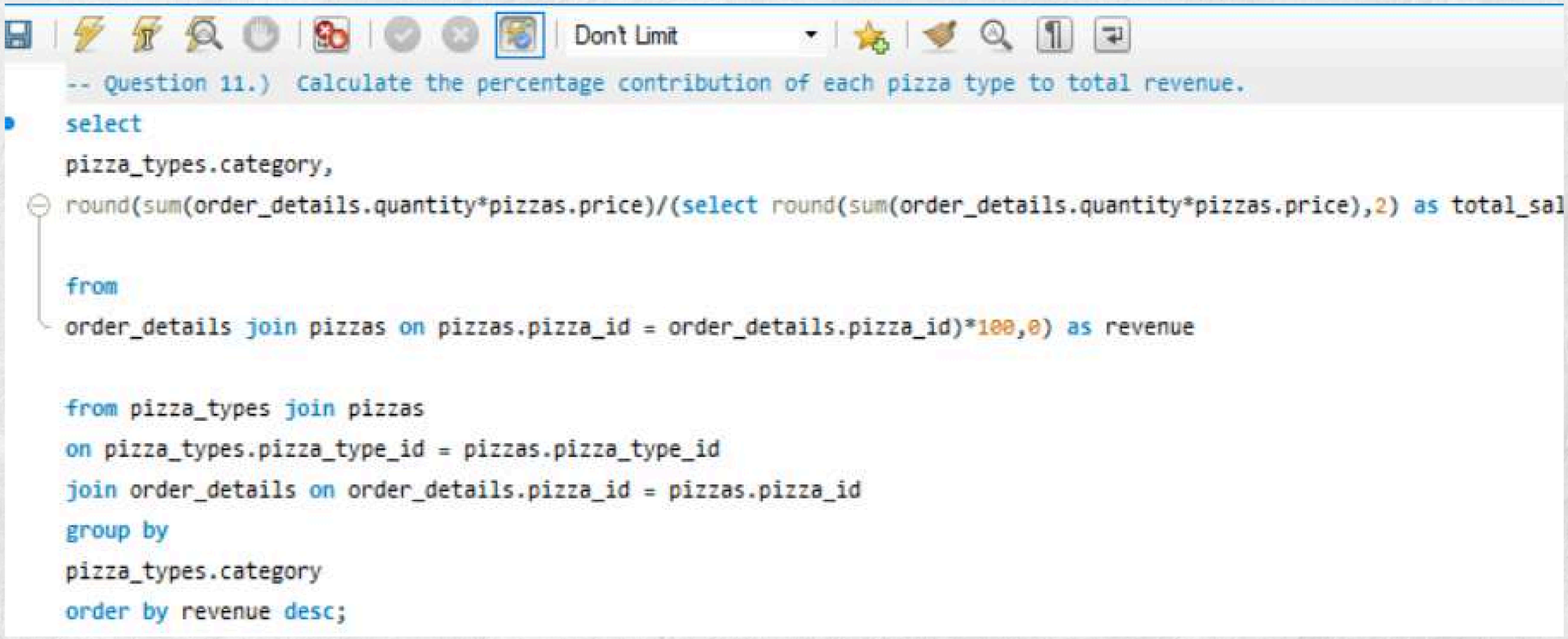
50
51
52 -- Question.10) Determine the top 3 most ordered pizza types based on revenue.
53 select pizza_types.name,
54 sum(order_details.quantity*pizzas.price) as revenue
55
56 from pizza_types join pizzas
57 on pizza_types.pizza_type_id = pizzas.pizza_type_id
58 join order_details on order_details.pizza_id = pizzas.pizza_id
59 group by pizza_types.name
60 order by revenue desc
61 limit 3;
62

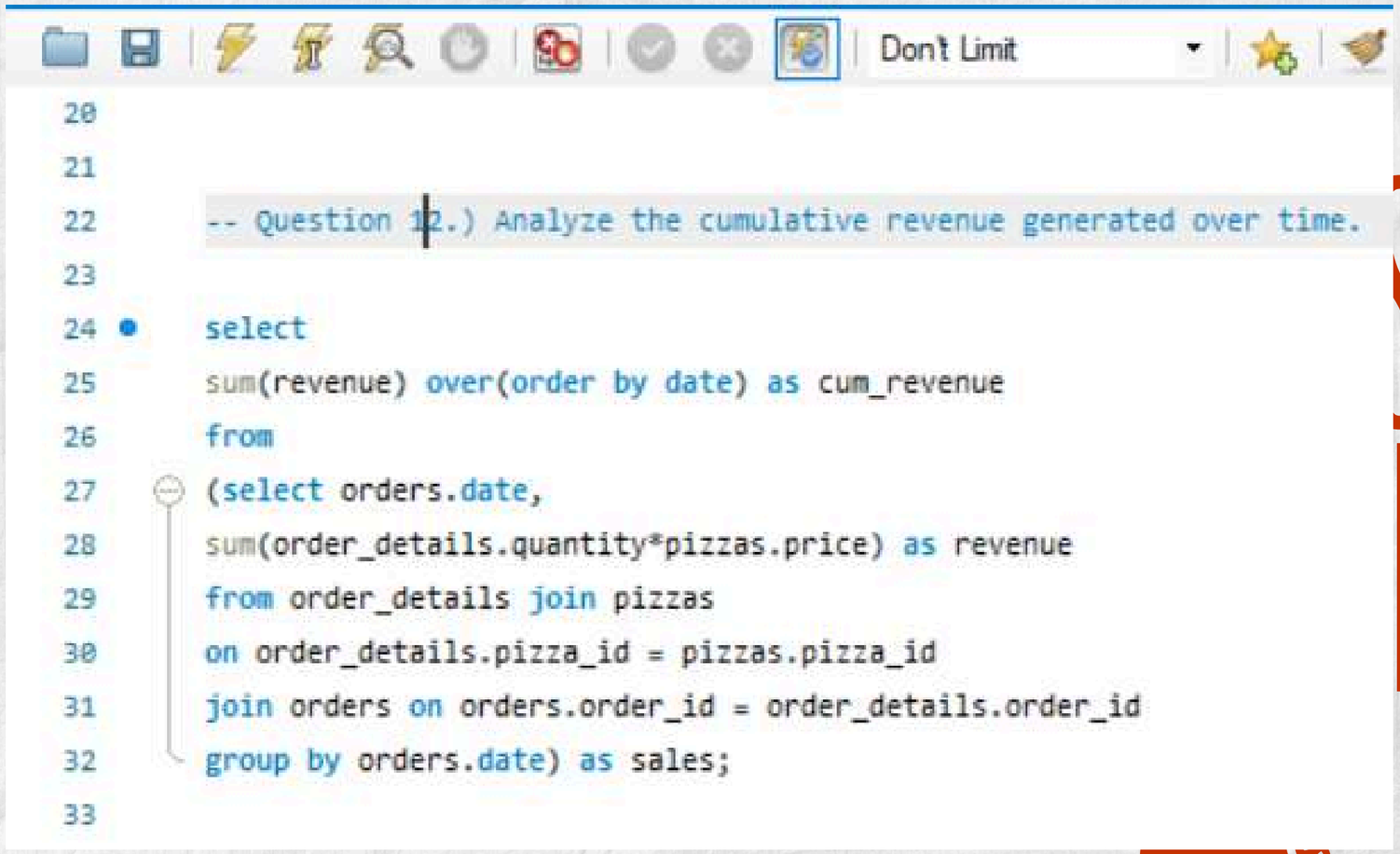


Don't Limit

```
-- Question 11.)  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_sal

from
order_details join pizzas on pizzas.pizza_id = order_details.pizza_id)*100,0) 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;
```


Don't Limit
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21
22 -- Question 12.) Analyze the cumulative revenue generated over time.
23
24 select
25 sum(revenue) over(order by date) as cum_revenue
26 from
27 (select orders.date,
28 sum(order_details.quantity*pizzas.price) as revenue
29 from order_details join pizzas
30 on order_details.pizza_id = pizzas.pizza_id
31 join orders on orders.order_id = order_details.order_id
32 group by orders.date) as sales;
33

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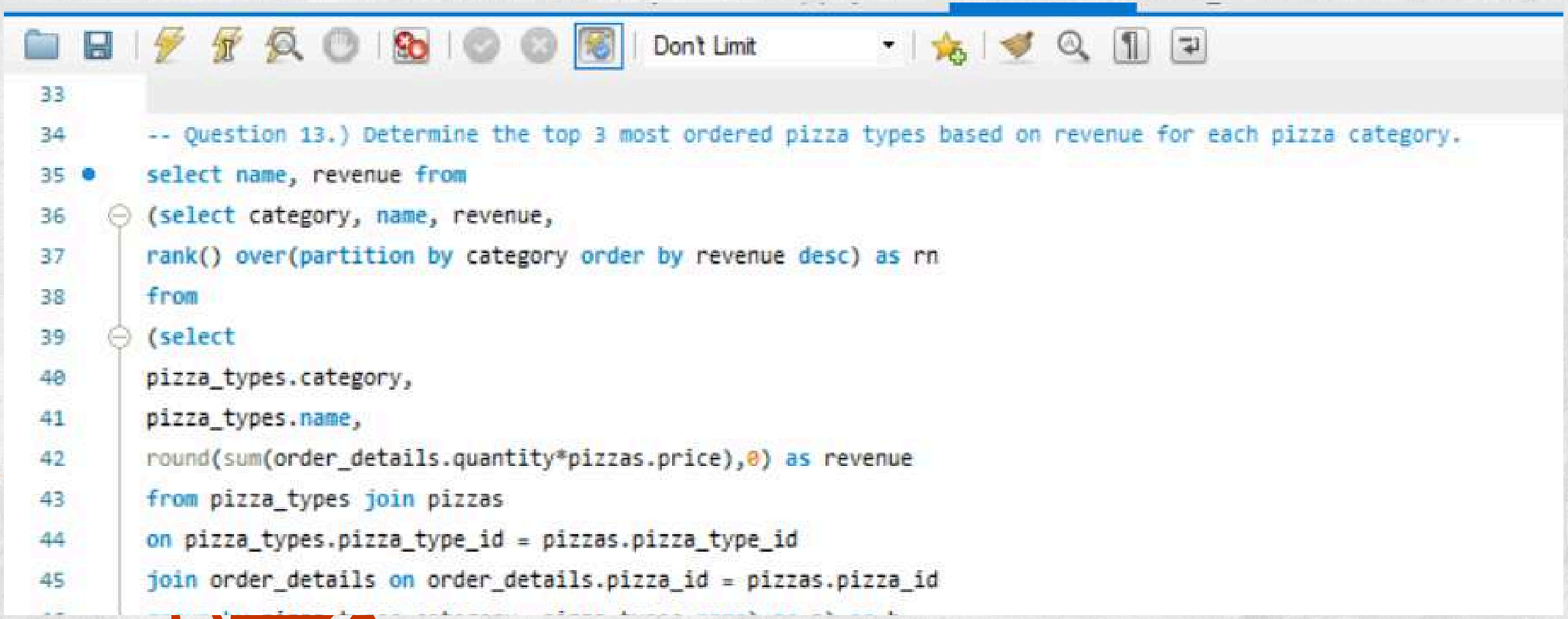

THANKYOU

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