MySQL Workbench

srss (pizza) | srss (pizza)

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- employees
- pizza
  - Tables
    - order_details
    - orders
    - pizza_types
    - pizzas
  - Views
  - Stored Procedures
  - Functions
- sys

Administration | Schemas

Information

No object selected

Object Info | Session

Pizza Data Analysis Questions | Question 1st | Question 2nd* | Question 3rd | Question 4th* | Question 5th* | PIZZA DA INTERMEDIATE QU... | Question 6th* | Question 7th*

Limit to 2000 rows

```
1   -- EASY QUESTIONS
2
3   -- Q1 Retrieve the total number of orders placed.
4   -- Q2 Calculate the total revenue generated from pizza sales.
5   -- Q3 Identify the highest-priced pizza.
6   -- Q4 Identify the most common pizza size ordered.
7   -- Q5 List the top 5 most ordered pizza types along with their quantities.
```

SQLAdditions

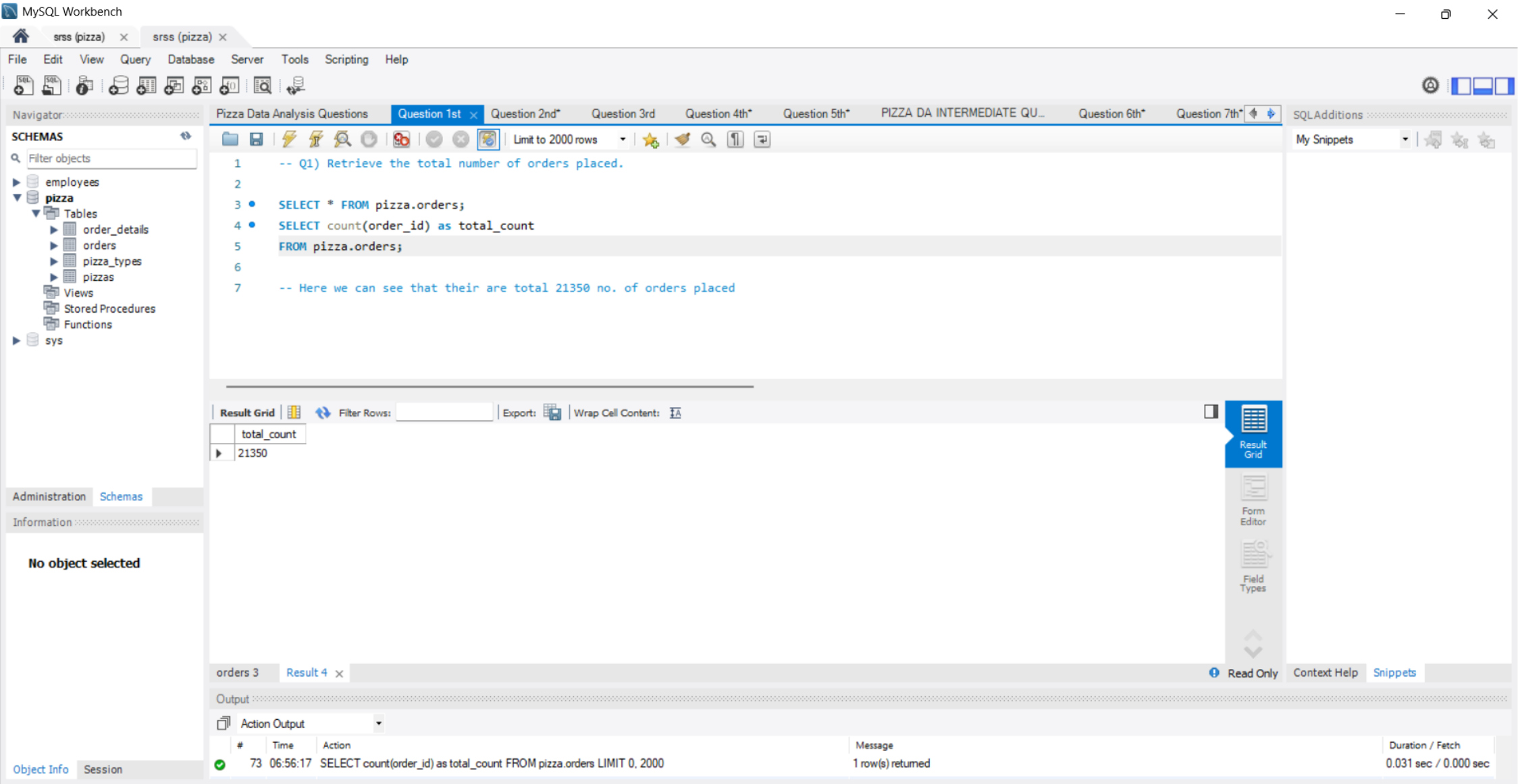
My Snippets

Context Help | Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
73	06:56:17	SELECT count(order_id) as total_count FROM pizza.orders LIMIT 0, 2000	1 row(s) returned	0.031 sec / 0.000 sec


MySQL Workbench
srss (pizza)
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Navigator
SCHEMAS
Filter objects
employees
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Tables
order_details
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pizza_types
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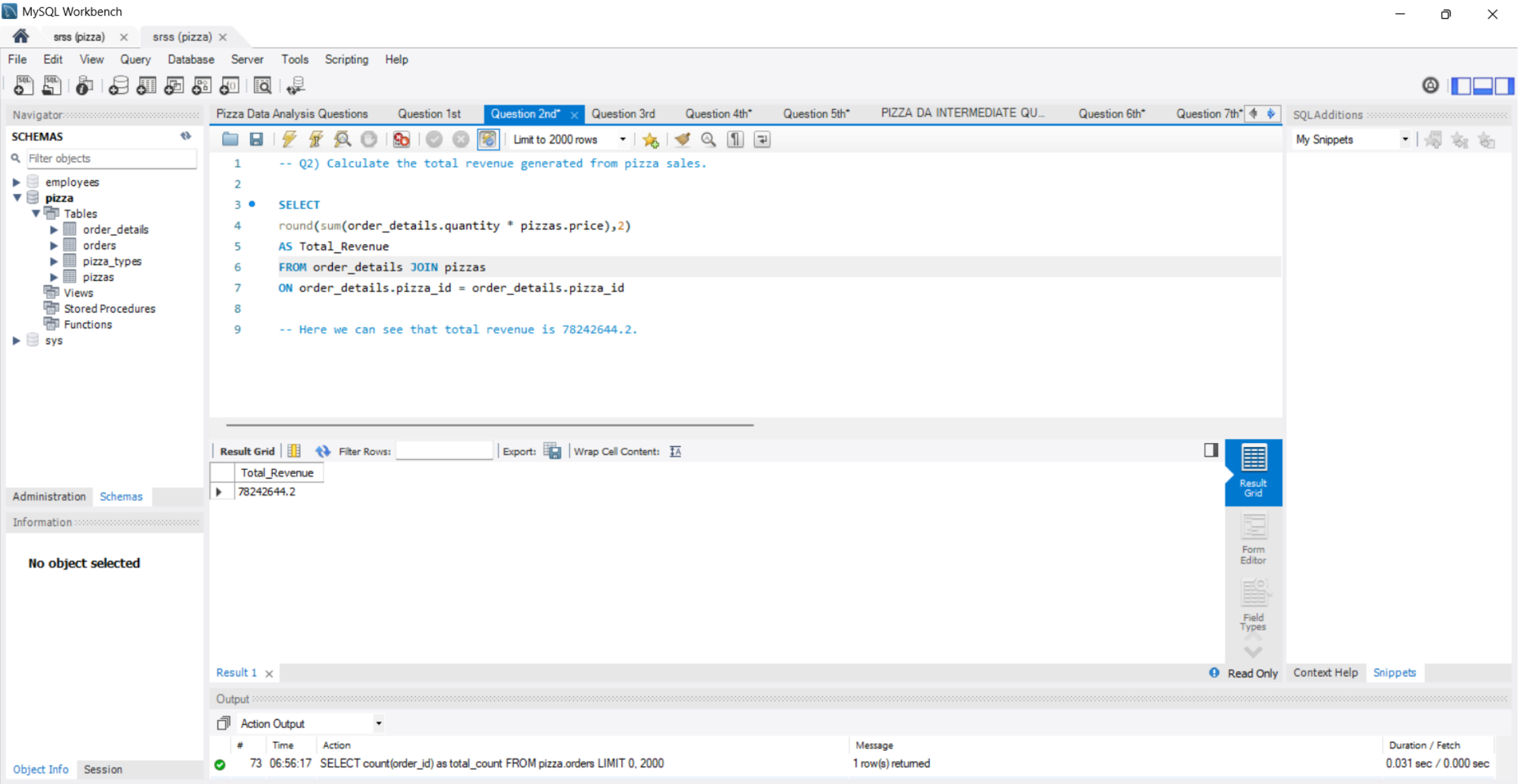
sys
Administration Schemas
Information
No object selected
Object Info Session
Pizza Data Analysis Questions
Question 1st
Question 2nd*
Question 3rd
Question 4th*
Question 5th*
PIZZA DA INTERMEDIATE QU...
Question 6th*
Question 7th*
Limit to 2000 rows
1 -- Q1) Retrieve the total number of orders placed.
2
3 SELECT * FROM pizza.orders;
4 SELECT count(order_id) as total_count
5 FROM pizza.orders;
6
7 -- Here we can see that their are total 21350 no. of orders placed
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
total_count
21350
Result Grid
Form Editor
Field Types
orders 3
Result 4
Read Only
SQLAdditions
My Snippets
Context Help
Snippets
Output
Action Output
Time Action Message Duration / Fetch
73 06:56:17 SELECT count(order_id) as total_count FROM pizza.orders LIMIT 0, 2000 1 row(s) returned 0.031 sec / 0.000 sec


MySQL Workbench
srss (pizza)
srss (pizza)
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
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Tables
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pizza_types
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Functions
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Administration Schemas
Information
No object selected
Object Info Session
Pizza Data Analysis Questions
Question 1st
Question 2nd*
Question 3rd
Question 4th*
Question 5th*
PIZZA DA INTERMEDIATE QU...
Question 6th*
Question 7th*
Limit to 2000 rows
1 -- Q2) Calculate the total revenue generated from pizza sales.
2
3 SELECT
4 round(sum(order_details.quantity * pizzas.price),2)
5 AS Total_Revenue
6 FROM order_details JOIN pizzas
7 ON order_details.pizza_id = order_details.pizza_id
8
9 -- Here we can see that total revenue is 78242644.2.
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
Total_Revenue
78242644.2
Result Grid
Form Editor
Field Types
Result 1
Read Only
SQLAdditions
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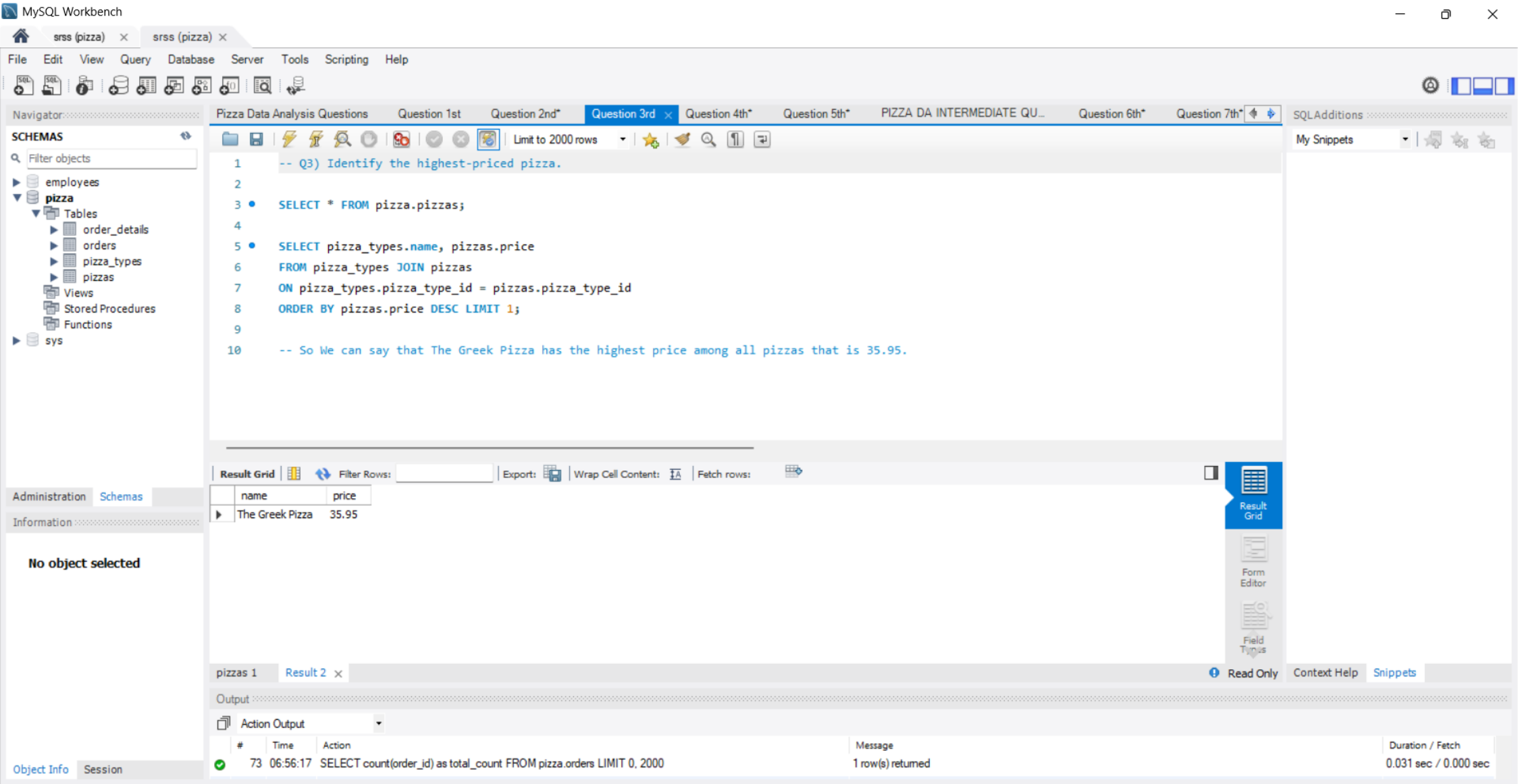
Snippets
Output
Action Output
Time Action Message Duration / Fetch
73 06:56:17 SELECT count(order_id) as total_count FROM pizza.orders LIMIT 0, 2000 1 row(s) returned 0.031 sec / 0.000 sec


MySQL Workbench
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Information
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Object Info Session
Pizza Data Analysis Questions
Question 1st
Question 2nd*
Question 3rd
Question 4th*
Question 5th*
PIZZA DA INTERMEDIATE QU...
Question 6th*
Question 7th*
Limit to 2000 rows
1 -- Q3) Identify the highest-priced pizza.
2
3 SELECT * FROM pizza.pizzas;
4
5 SELECT pizza_types.name, pizzas.price
6 FROM pizza_types JOIN pizzas
7 ON pizza_types.pizza_type_id = pizzas.pizza_type_id
8 ORDER BY pizzas.price DESC LIMIT 1;
9
10 -- So We can say that The Greek Pizza has the highest price among all pizzas that is 35.95.
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
Fetch rows:
name
price
The Greek Pizza
35.95
Result Grid
Form Editor
Field Types
pizzas 1
Result 2
Read Only
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Output
Action Output
Time Action Message Duration / Fetch
73 06:56:17 SELECT count(order_id) as total_count FROM pizza.orders LIMIT 0, 2000
1 row(s) returned
0.031 sec / 0.000 sec

MySQL Workbench

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Administration | Schemas

Information

No object selected

Object Info | Session

Pizza Data Analysis Questions | Question 1st | Question 2nd* | Question 3rd | Question 4th* | Question 5th* | PIZZA DA INTERMEDIATE QU... | Question 6th* | Question 7th*

Limit to 2000 rows

```
1   -- Q4) Identify the most common pizza size ordered.
2
3   SELECT pizzas.size, count(order_details.order_details_id) as order_count
4   FROM pizzas join order_details
5   ON pizzas.pizza_id=order_details.pizza_id
6   GROUP BY pizzas.size ORDER BY order_count desc;
7
8   -- Here is the list of most pizzas ordered size wise.
```

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

size	order_count
L	18526
M	15385
S	14137
XL	544
XXL	28

Result Grid | Form Editor | Field Types

Result 1 | Read Only

SQLAdditions

My Snippets

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Output

Action Output

#	Time	Action	Message	Duration / Fetch
73	06:56:17	SELECT count(order_id) as total_count FROM pizza.orders LIMIT 0, 2000	1 row(s) returned	0.031 sec / 0.000 sec

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Administration | Schemas

Information

No object selected

Object Info | Session

Pizza Data Analysis Questions | Question 1st | Question 2nd* | Question 3rd | Question 4th* | Question 5th* | PIZZA DA INTERMEDIATE QU... | Question 6th* | Question 7th*

Limit to 2000 rows

```
1   -- Q5) List the top 5 most ordered pizza types
2   -- along with their quantities
3
4   USE pizza;
5   SELECT pizza_types.name, sum(order_details.quantity) AS Sum_Of_Order
6   FROM pizza_types JOIN pizzas
7   ON pizza_types.pizza_type_id=pizzas.pizza_type_id
8   JOIN order_details
9   ON order_details.pizza_id=pizzas.pizza_id
10  GROUP BY pizza_types.name
11  ORDER BY Sum_Of_Order DESC LIMIT 5;
12
13  -- So here is the top 5 most orderd pizzas with their quantities.
```

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

name	Sum_Of_Order
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 | Field Types

Result 1 | Read Only

SQLAdditions | My Snippets | Context Help | Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
73	06:56:17	SELECT count(order_id) as total_count FROM pizza.orders LIMIT 0, 2000	1 row(s) returned	0.031 sec / 0.000 sec

MySQL Workbench

srss (pizza) | srss (pizza)

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SCHEMAS

Filter objects

- employees
- pizza
  - Tables
    - order_details
    - orders
    - pizza_types
    - pizzas
  - Views
  - Stored Procedures
  - Functions
- sys

Administration | Schemas

Information

No object selected

Object Info | Session

Pizza Data Analysis Questions | Question 1st | Question 2nd* | Question 3rd | Question 4th* | Question 5th* | PIZZA DA INTERMEDIATE QU... | Question 6th* | Question 7th*

Limit to 2000 rows

```
1   -- INTERMEDIATE QUESTIONS:
2
3   -- Join the necessary tables to find the total quantity of each pizza category ordered.
4   -- Determine the distribution of orders by hour of the day.
5   -- Join relevant tables to find the category-wise distribution of pizzas.
6   -- Group the orders by date and calculate the average number of pizzas ordered per day.
7   -- Determine the top 3 most ordered pizza types based on revenue.
```

SQLAdditions

My Snippets

Context Help | Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
73	06:56:17	SELECT count(order_id) as total_count FROM pizza.orders LIMIT 0, 2000	1 row(s) returned	0.031 sec / 0.000 sec

MySQL Workbench

srss (pizza) | srss (pizza)

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Administration | Schemas

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Object Info | Session

Pizza Data Analysis Questions | Question 1st | Question 2nd* | Question 3rd | Question 4th* | Question 5th* | PIZZA DA INTERMEDIATE QU... | Question 6th* | Question 7th*

Limit to 2000 rows

```sql
-- Q1 Retrieve the total number of orders placed.

SELECT pizza_types.category,
sum(order_details.quantity) as cat_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 cat_quantity desc

-- Here is the total no. of pizzas's orderd placed.
```

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

category	cat_quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

Result Grid | Form Editor | Field Types

Result 1 | Read Only

SQLAdditions

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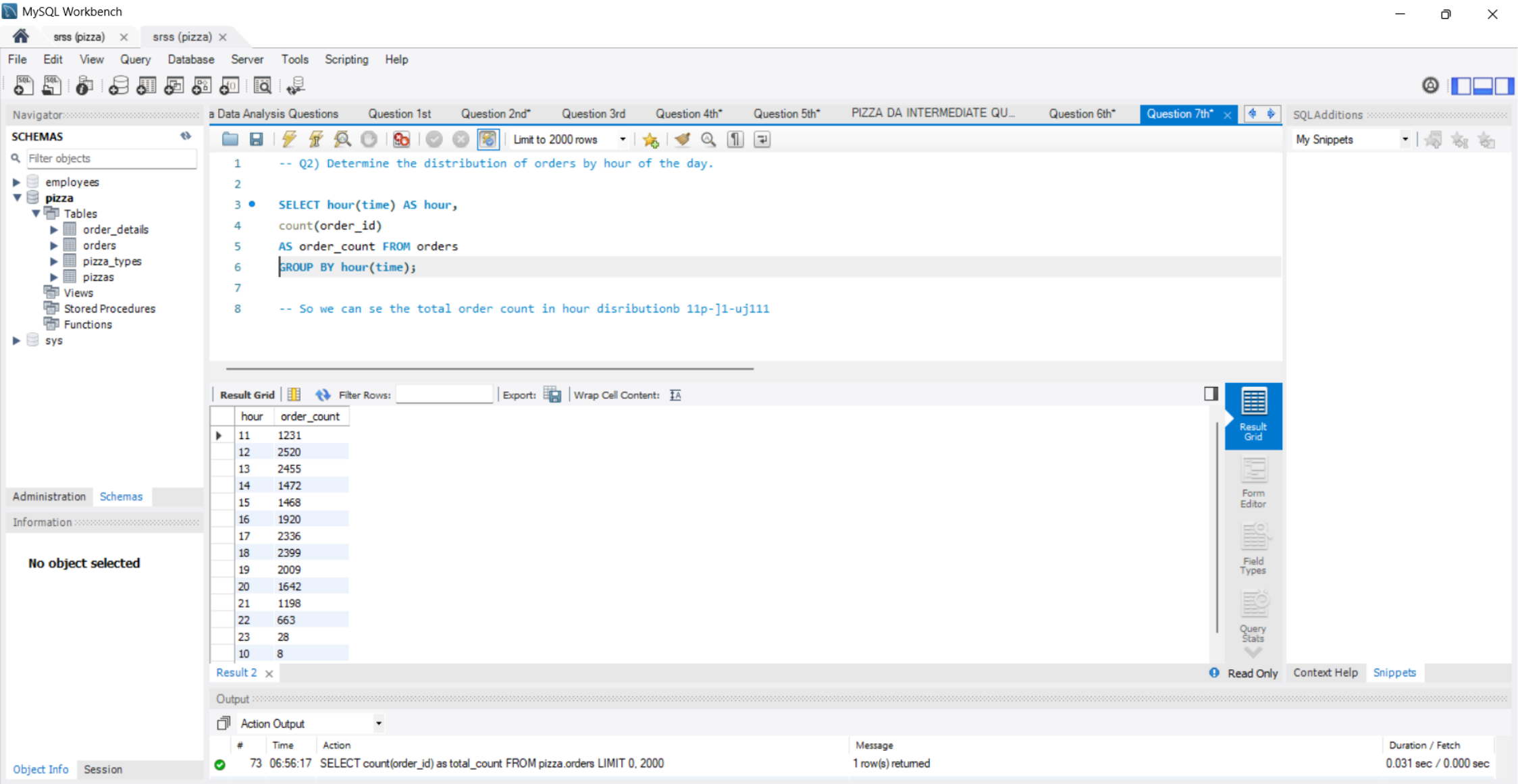
Output

Action Output

#	Time	Action	Message	Duration / Fetch
73	06:56:17	SELECT count(order_id) as total_count FROM pizza.orders LIMIT 0, 2000	1 row(s) returned	0.031 sec / 0.000 sec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Question 3rd
Question 4th*
Question 5th*
PIZZA DA INTERMEDIATE QU...
Question 6th*
Question 7th*
SQLAdditions
My Snippets
Limit to 2000 rows
1 -- Q2) Determine the distribution of orders by hour of the day.
2
3 SELECT hour(time) AS hour,
4 count(order_id)
5 AS order_count FROM orders
6 GROUP BY hour(time);
7
8 -- So we can se the total order count in hour disributionb 11p-]1-uj111
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
Result 2
Result Grid
Form Editor
Field Types
Query Stats
Read Only
Context Help
Snippets
Output
Action Output
Time Action Message Duration / Fetch
73 06:56:17 SELECT count(order_id) as total_count FROM pizza.orders LIMIT 0, 2000 1 row(s) returned 0.031 sec / 0.000 sec

MySQL Workbench

srss (pizza) × srss (pizza) ×

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Navigator

SCHEMAS

Filter objects

- employees
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    - order_details
    - orders
    - pizza_types
    - pizzas
  - Views
  - Stored Procedures
  - Functions
- sys

Administration Schemas

Information

No object selected

Object Info Session

on 2nd* Question 3rd Question 4th* Question 5th* PIZZA DA INTERMEDIATE QU... Question 6th* Question 7th* Question 8th* × Question 9th* Question 10th*

Limit to 2000 rows

```
1   -- Q3) Join relevant tables to find the
2   -- category-wise distribution of pizzas.
3
4   SELECT category,
5   count(name) as pizza_count
6   FROM pizza_types
7   GROUP BY category
8
9   -- Now we can see the types of pizzas with their count
```

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

category	pizza_count
Chicken	6
Classic	8
Supreme	9
Veggie	9

Result Grid Form Editor Field Types

Result 4 ×

Read Only

SQLAdditions

My Snippets

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
73	06:56:17	SELECT count(order_id) as total_count FROM pizza.orders LIMIT 0, 2000	1 row(s) returned	0.031 sec / 0.000 sec

MySQL Workbench

srss (pizza) | srss (pizza)

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Navigator

SCHEMAS

Filter objects

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    - orders
    - pizza_types
    - pizzas
  - Views
  - Stored Procedures
  - Functions
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Administration | Schemas

Information

No object selected

Object Info | Session

on 2nd* | Question 3rd | Question 4th* | Question 5th* | PIZZA DA INTERMEDIATE QU... | Question 6th* | Question 7th* | Question 8th* | Question 9th* | Question 10th*

Limit to 2000 rows

```
1   -- Q4) Group the orders by date and
2   -- calculate the average number of pizzas ordered per day.
3
4   SELECT round(avg(sum_quant),0) as average_pizza from
5   (SELECT orders.date, sum(order_details.quantity) as sum_quant
6   FROM orders JOIN order_details
7   ON orders.order_id = order_details.order_id
8   GROUP BY orders.date) AS order_quantity
9
10  -- An average of pizzas order wise.
```

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

average_pizza
138

Result Grid | Form Editor | Field Types

Result 1 | Read Only

SQLAdditions | My Snippets | Context Help | Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
73	06:56:17	SELECT count(order_id) as total_count FROM pizza.orders LIMIT 0, 2000	1 row(s) returned	0.031 sec / 0.000 sec

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Information

No object selected

Object Info | Session

2nd* | Question 3rd | Question 4th* | Question 5th* | PIZZA DA INTERMEDIATE QU... | Question 6th* | Question 7th* | Question 8th* | Question 9th* | Question 10th*

Limit to 2000 rows

```
1   -- Q5) Determine the top 5 most ordered pizza types based on revenue.
2
3   SELECT pizza_types.name,
4   round(sum(order_details.quantity * pizzas.price),0) as revenue
5   FROM pizza_types join pizzas
6   ON pizza_types.pizza_type_id=pizzas.pizza_type_id
7   JOIN order_details
8   ON order_details.pizza_id=pizzas.pizza_id
9   GROUP BY pizza_types.name ORDER BY revenue desc limit 5;
10
11  -- So here the top 3 pizzas on the basis of revenue.
```

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

name	revenue
The Thai Chicken Pizza	43434
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41410
The Classic Deluxe Pizza	38180
The Spicy Italian Pizza	34831

Result Grid | Form Editor | Field Types

Result 2 | Read Only

SQLAdditions

My Snippets

Context Help | Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
73	06:56:17	SELECT count(order_id) as total_count FROM pizza.orders LIMIT 0, 2000	1 row(s) returned	0.031 sec / 0.000 sec