

MySQL Workbench

Pizza_Sales_Report - Warning - not supported

Administration

Schemas

SCHEMAS

Filter objects

PizzaHut

Tables

order_details

ORDERS

pizzas

pizza_types2

Views

Stored Procedures

Object Info

Session

Table: pizza_types2

Columns:

pizza_type_id

text

name

text

category

text

ingredients

text

Query 2

order_details

SQL File 7*

pizzas

Limit to 1000 rows

1

-- Identify the most common pizza size ordered.

2

3

SELECT p.size, COUNT(od.order_id) as Total_Each_Size

4

FROM order_details as od

5

LEFT JOIN pizzas as p

6

ON od.pizza_id = p.pizza_id

7

GROUP BY p.size

8

ORDER BY Total_Each_Size DESC;

9

10

100%

1:9

Result Grid

Filter Rows:

Search

Export:

Result Grid

Form Editor

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

Result 4

Read Only

Action Output

	Time	Action	Response	Duration / Fetch Time
✓	56 00:59:33	SELECT pizza_id, COUNT(pizza_id) FROM order_details GROU...	91 row(s) returned	0.063 sec / 0.000028...
✓	57 01:00:05	SELECT pizza_id, COUNT(pizza_id) FROM order_details GROU...	1 row(s) returned	0.072 sec / 0.000006...
✗	58 01:05:45	SELECT p.size, COUNT(od.order_id) FROM order_details as od...	Error Code: 1054. Unknown column 'pizzas.pizza_id' i...	0.0044 sec
✓	59 01:06:00	SELECT p.size, COUNT(od.order_id) FROM order_details as od...	5 row(s) returned	0.084 sec / 0.000015...
✓	60 01:07:38	SELECT p.size, COUNT(od.order_id) as Total_Each_Size FROM...	5 row(s) returned	0.075 sec / 0.000006...

Query Completed

MySQL Workbench

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Administration

Schemas

SCHEMAS

Filter objects

PizzaHut

- Tables
 - order_details
 - ORDERS
 - pizzas
 - pizza_types2
- Views
- Stored Procedures

Object Info

Session

Table: pizza_types2

Columns:

- pizza_type_id text
- name text
- category text
- ingredients text

Query 2

order_details

SQL File 8*

pizza_types2

pizzas

Limit to 1000 rows

1

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

2

3

SELECT

4

pt.name, SUM(od.quantity) AS quantity

5

FROM

6

order_details AS od

7

JOIN

8

pizzas AS p ON od.pizza_id = p.pizza_id

9

JOIN

10

pizza_types2 AS pt ON p.pizza_type_id = pt.pizza_type_id

11

GROUP BY pt.name

12

ORDER BY quantity DESC

13

LIMIT 5;

100%

9:13

Result Grid

Filter Rows:

Search

Export:

Fetch rows:

Result Grid

Form Editor

	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 3

Read Only

Action Output

Time

Action

Response

Duration / Fetch Time

00:00:40

SELECT p.size, COUNT(od.order_id) FROM order_details as od...

Error Code: 1054: Unknown column 'pizzas.pizza_id' in...

0.0044 sec

01:06:00

SELECT p.size, COUNT(od.order_id) FROM order_details as od...

5 row(s) returned

0.004 sec / 0.000015

Formatted 1 statements.

MySQL Workbench

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Schemas

SCHEMAS

Filter objects

PizzaHut

- Tables
 - order_details
 - ORDERS
 - pizzas
 - pizza_types2
- Views
- Stored Procedures

Object Info

Session

Table: pizza_types2

Columns:

- pizza_type_id text
- name text
- category text
- ingredients text

Query 2

order_details

pizza_types2

pizzas

SQL File 9*

Limit to 1000 rows

1

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

2

3

SELECT pt.category, SUM(od.quantity) as Quantity

4

FROM pizza_types2 as pt

5

JOIN pizzas as p

6

ON pt.pizza_type_id = p.pizza_type_id

7

JOIN order_details as od

8

ON p.pizza_id = od.pizza_id

9

GROUP BY pt.category

100%

21:9

Result Grid

Filter Rows:

Search

Export:

	category	Quantity
	Classic	14888
	Veggie	11649
	Supreme	11987
	Chicken	11050

Result 1

Read Only

Action Output

	Time	Action	Response	Duration / Fetch Time
66	01:17:59	SELECT od.pizza_id, SUM(od.quantity) as quantity FROM order...	5 row(s) returned	0.076 sec / 0.000007...
67	01:18:27	SELECT * FROM PizzaHut.pizzas LIMIT 0, 1000	96 row(s) returned	0.00089 sec / 0.000...
68	01:22:40	SELECT pt.name, SUM(od.quantity) as quantity FROM order_d...	5 row(s) returned	0.120 sec / 0.00026 s...
69	01:29:46	SELECT pt.category, SUM(od.quantity) as Quantity FROM pizz...	Error Code: 1140. In aggregated query without GROU...	0.0074 sec
70	01:30:06	SELECT pt.category, SUM(od.quantity) as Quantity FROM pizz...	4 row(s) returned	0.101 sec / 0.000028...

Query Completed

MySQL Workbench

Pizza_Sales_Report - Warning - not supported

Administration

Schemas

SCHEMAS

Filter objects

PizzaHut

Tables

order_details

ORDERS

pizzas

pizza_types2

Views

Stored Procedures

Object Info

Session

Table: order_details

Columns:

order_detail_id

int PK

order_id

int

pizza_id

text

quantity

int

Query 2

pizza_types2

pizzas

order_details

ORDERS

SQL File 10*

Limit to 1000 rows

1

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

2

3

SELECT

4

HOUR(orders.order_time),

5

COUNT(order_id) AS Quantity_Per_Hour

6

FROM

7

Orders

8

GROUP BY HOUR(orders.order_time)

9

ORDER BY Quantity_Per_Hour DESC

Result Grid

Filter Rows:

Search

Export:

Result Grid

Form Editor

Field Types

	hour(orders.order_ti...	Quantity_Per_Hour
12	2520	
13	2455	
18	2399	
17	2336	
19	2009	
16	1920	
20	1642	
14	1472	
15	1468	
11	1231	

Result 1

Read Only

Action Output

Time

Action

Response

Duration / Fetch Time

70	01:35:00	SELECT pt.category, SUM(od.quantity) as Quantity FROM pizz...	4 row(s) returned	0.000000 sec / 0.000000...
71	01:35:08	SELECT pt.category, SUM(od.quantity) as Quantity FROM pizz...	4 row(s) returned	0.112 sec / 0.000017...
72	01:37:36	SELECT * FROM PizzaHut.order_details LIMIT 0, 1000	1000 row(s) returned	0.0018 sec / 0.00071...
73	01:37:40	SELECT * FROM PizzaHut.ORDERS LIMIT 0, 1000	1000 row(s) returned	0.0013 sec / 0.00046...
74	01:39:34	SELECT hour(orders.order_time), COUNT(order_id) as Quantit...	15 row(s) returned	0.015 sec / 0.000013...

Formatted 1 statements.

MySQL Workbench

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Schemas

SCHEMAS

Filter objects

PizzaHut

Tables

order_details

ORDERS

pizzas

pizza_types2

Views

Stored Procedures

Object Info

Session

Table: order_details

Columns:

order_detail_id

int PK

order_id

int

pizza_id

text

quantity

int

Query 2

pizza_types2

pizzas

SQL File 11*

Limit to 1000 rows

1

-- Join relevant tables to find the category-wise distribution of pizzas.

2

-- No. of Pizzas in Each Category

3

4

SELECT

5

pt.category, COUNT(p.pizza_id)

6

FROM

7

pizza_types2 AS pt

8

JOIN

9

pizzas AS p ON pt.pizza_type_id = p.pizza_type_id

10

GROUP BY pt.category;

11

100%

2:11

Result Grid

Filter Rows:

Search

Export:

Result Grid

Form Editor

category	COUNT(p.pizza_i...
Chicken	18
Classic	26
Supreme	25
Veggie	27

Result 1

Read Only

Action Output

	Time	Action	Response	Duration / Fetch Time
72	01:37:36	SELECT * FROM PizzaHut.order_details LIMIT 0, 1000	1000 row(s) returned	0.0018 sec / 0.00071...
73	01:37:40	SELECT * FROM PizzaHut.ORDERS LIMIT 0, 1000	1000 row(s) returned	0.0013 sec / 0.00046...
74	01:39:34	SELECT hour(orders.order_time), COUNT(order_id) as Quantit...	15 row(s) returned	0.015 sec / 0.000013...
75	01:44:24	SELECT pt.category, COUNT(p.pizza_id) FROM pizza_types2 a...	4 row(s) returned	0.0017 sec / 0.00000...

Formatted 1 statements.

MySQL Workbench

Pizza_Sales_Report - Warning - not supported

AdministrationSchemasQuery 2pizza_types2pizzasORDERSorder_detailsAvgPizzaPerDay

SCHEMAS

Filter objects

PizzaHut

Tables

order_details

ORDERS

pizzas

pizza_types2

Views

Stored Procedures

Object Info

Session

Table: order_details

Columns:

order_detail_id

int PK

order_id

int

pizza_id

text

quantity

int

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

2

3SELECT

4ROUND(AVG(Total_Quantity_Ordered_Each_Day), 2) AS Avg_Quantity_Ordered

5FROM

6(SELECT

7ORDERS.order_date,

8SUM(order_details.quantity) AS Total_Quantity_Ordered_Each_Day

9FROM

10ORDERS

11JOIN order_details ON ORDERS.order_id = order_details.order_id

12GROUP BY ORDERS.order_date) AS Day_VS_Quantity;

13

100%1:13

Result Grid

Filter Rows: Search

Export:

Avg_Quantity_Order...

138.47

Result 1

Read Only

Action Output

	Time	Action	Response	Duration / Fetch Time
85	01:56:19	SELECT ORDERS.order_date, SUM(order_details.quantity) FRO...	Error Code: 1054: Unknown column 'ORDERS.pizza_id'...	0.00034 sec
86	01:57:02	SELECT ORDERS.order_date, SUM(order_details.quantity) FRO...	358 row(s) returned	0.073 sec / 0.00012 s...
87	02:00:30	SELECT ROUND(AVG(Total_Quantity_Ordered_Each_Day), 2) a...	1 row(s) returned	0.068 sec / 0.00000...
88	02:01:43	SELECT ROUND(AVG(Total_Quantity_Ordered_Each_Day),...	1 row(s) returned	0.075 sec / 0.000022...

Query Completed

MySQL Workbench

Pizza_Sales_Report - Warning - not supported

Administration

Schemas

SCHEMAS

Filter objects

PizzaHut

Tables

order_details

ORDERS

pizzas

pizza_types2

Views

Stored Procedures

Object Info

Session

Table: order_details

Columns:

order_detail_id

int PK

order_id

int

pizza_id

text

quantity

int

Query 2

pizza_types2

pizzas

order_details

SQL File 14*

Limit to 1000 rows

1

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

2

3

SELECT

4

pt.name, ROUND(SUM(od.quantity * p.price), 0) AS Revenue

5

FROM

6

order_details AS od

7

JOIN

8

pizzas AS p ON od.pizza_id = p.pizza_id

9

JOIN

10

pizza_types2 AS pt ON p.pizza_type_id = pt.pizza_type_id

11

GROUP BY pt.name

12

ORDER BY Revenue DESC

13

LIMIT 3

100%

8:13

Result Grid

Filter Rows:

Search

Export:

Fetch rows:

Result Grid

Form Editor

	name	Revenue
	The Thai Chicken Pizza	43434
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41410

Result 2

Read Only

Action Output

	Time	Action	Response	Duration / Fetch Time
✓ 88	02:01:43	SELECT ROUND(AVG(total_quantity_ordered_each_day),...	1 row(s) returned	0.075 sec / 0.000022...
✗ 89	02:08:38	SELECT pt.name, SUM(od.quantity * p.prices) as Revenue FRO...	Error Code: 1054. Unknown column 'p.prices' in 'field...	0.0051 sec
✓ 90	02:09:00	SELECT pt.name, SUM(od.quantity * p.price) as Revenue FRO...	3 row(s) returned	0.105 sec / 0.000018...
✓ 91	02:11:08	SELECT pt.name, ROUND(SUM(od.quantity * p.price),0) as Rev...	3 row(s) returned	0.093 sec / 0.00000...

Formatted 1 statements.

MySQL Workbench

Pizza_Sales_Report - Warning - not supported

AdministrationSchemasQuery 2pizza_types2pizzasorder_detailsSQL File 15*

SCHEMAS

Filter objects

PizzaHut

Tables

order_details

ORDERS

pizzas

pizza_types2

Views

Stored Procedures

Object Info

Session

Table: order_details

Columns:

order_detail_id

int PK

order_id

int

pizza_id

text

quantity

int

1-- Calculate the percentage contribution of each pizza type to total revenue.

2

3SELECT pt.category, ROUND(SUM(od.quantity * p.price)*100/ SUM(SUM(od.quantity * p.price)) OVER (),2) as perved

4FROM order_details as od

5JOIN pizzas as p

6ON od.pizza_id = p.pizza_id

7JOIN pizza_types2 as pt

8ON p.pizza_type_id = pt.pizza_type_id

9GROUP BY pt.category

10ORDER BY perved_VS_total DESC

11

12-- SUM(SUM(od.quantity * p.price)) OVER () : Evaluates total revenue across all categories

100%1:11

Result Grid

Filter Rows:

Search

Export:

Result Grid

Form Editor

	category	perved_VS_to...
	Classic	26.91
	Supreme	25.46
	Chicken	23.96
	Veggie	23.68

Result 3Read Only

Action Output

	Time	Action	Response	Duration / Fetch Time
92	02:16:46	SELECT category FROM pizza_types2 LIMIT 0, 1000	32 row(s) returned	0.0010 sec / 0.00002...
93	02:17:00	SELECT DISTINCT category FROM pizza_types2 LIMIT 0, 1000	4 row(s) returned	0.00076 sec / 0.0000...
94	02:24:32	SELECT pt.category, ROUND(SUM(od.quantity * p.price)*100/...	Error Code: 1146. Table 'pizzahut.price' doesn't exist	0.017 sec
95	02:25:07	SELECT pt.category, ROUND(SUM(od.quantity * p.price)*100/...	4 row(s) returned	0.096 sec / 0.000014...

Formatted 0 statements, 1 unsupported statement types skipped.

MySQL Workbench

Pizza_Sales_Report - Warning - not supported

Administration

Schemas

SCHEMAS

Filter objects

PizzaHut

- Tables
 - order_details
 - ORDERS
 - pizzas
 - pizza_types2
- Views
- Stored Procedures

Object Info

Session

Table: order_details

Columns:

- order_detail_id int PK
- order_id int
- pizza_id text
- quantity int

Query 2

pizza_types2

order_details

SQL File 16*

ORDERS

pizzas

Limit to 1000 rows

1

-- Analyze the cumulative revenue generated over time.

2

-- Cumulative => Window Function

3

4

SELECT

5

Sales.order_date,

6

SUM(Sales.revenue) OVER (ORDER BY Sales.order_date) AS cumulative_revenue

7

FROM

8

(

9

SELECT

10

o.order_date,

11

SUM(od.quantity * p.price) AS revenue

12

FROM order_details AS od

13

JOIN pizzas AS p ON od.pizza_id = p.pizza_id

14

JOIN orders AS o ON o.order_id = od.order_id

15

GROUP BY o.order_date

16

) AS Sales;

17

100%

5:7

Result Grid

Filter Rows:

Search

Export:

Result Grid

order_date	cumulative_revenue
2015-01-01	2713.8500000000004
2015-01-02	5445.75
2015-01-03	8108.15
2015-01-04	9863.6
2015-01-05	11688.55

Result 2

Read Only

Action Output

Time

Action

Response

Dura

102

02:48:19

SELECT Sales.order_date, SUM(Sales.revenue) OVER (ORD...

358 row(s) returned

0.106

Query Completed

MySQL Workbench

Home

Pizza_Sales_Report - Warning - not supported

Administration

Schemas

SCHEMAS

Filter objects

PizzaHut

Tables

order_details

ORDERS

pizzas

pizza_types2

Views

Stored Procedures

Object Info

Session

Table: **ORDERS**

Columns:

order_id

int PK

order_date

date

order_time

time

Query 2

SQL File 4*

ORDERS

Limit to 1000 rows

1

-- Q1 : Retrieve the total number of orders placed.

2

3

SELECT COUNT(order_id) as No_Of_Orders

4

FROM Orders;

100%

13:4

Result Grid

Filter Rows:

Search

Export:

No_Of_Orders

21350

Result 2

Read Only

Action Output

	Time	Action	Response	Duration / Fetch Time
41	00:37:56	DEALLOCATE PREPARE stmt	OK	0.000 sec
42	00:38:16	SELECT * FROM PizzaHut.order_details LIMIT 0, 1000	1000 row(s) returned	0.0021 sec / 0.00073...
43	00:40:14	SELECT * FROM PizzaHut.ORDERS LIMIT 0, 1000	1000 row(s) returned	0.0022 sec / 0.00055...
44	00:41:01	SELECT COUNT(order_id) FROM Orders LIMIT 0, 1000	1 row(s) returned	0.0021 sec / 0.00000...
45	00:41:27	SELECT COUNT(order_id) as No_Of_Orders FROM Orders LIM...	1 row(s) returned	0.0025 sec / 0.00000...

Query Completed

MySQL Workbench

Pizza_Sales_Report - Warning - not supported

Administration

Schemas

SCHEMAS

Filter objects

PizzaHut

Tables

order_details

ORDERS

pizzas

pizza_types2

Views

Stored Procedures

Object Info

Session

Table: pizzas

Columns:

pizza_id

text

pizza_type_id

text

size

text

price

double

Query 2

SQL File 5*

order_details

pizzas

Limit to 1000 rows

1

-- Calculate the total revenue generated from pizza sales.

2

3

SELECT ROUND(SUM(p.price * od.quantity), 2) as Total_Revenue

4

FROM order_details as od

5

LEFT JOIN pizzas as p

6

ON od.pizza_id = p.pizza_id

7

100%

1:7

Result Grid

Filter Rows:

Search

Export:

Result Grid

Result 3

Read Only

Action Output

	Time	Action	Response	Duration / Fetch Time
46	00:43:58	SELECT * FROM PizzaHut.order_details LIMIT 0, 1000	1000 row(s) returned	0.0023 sec / 0.00075...
47	00:44:08	SELECT * FROM PizzaHut.pizzas LIMIT 0, 1000	96 row(s) returned	0.0011 sec / 0.00002...
48	00:47:11	SELECT SUM(p.price * od.quantity) FROM order_details as od...	91 row(s) returned	0.086 sec / 0.000015...
49	00:47:24	SELECT SUM(p.price * od.quantity) FROM order_details as od...	1 row(s) returned	0.046 sec / 0.00000...
50	00:48:52	SELECT ROUND(SUM(p.price * od.quantity), 2) as Total_Reven...	1 row(s) returned	0.045 sec / 0.00000...

Query Completed

MySQL Workbench

Pizza_Sales_Report - Warning - not supported

Administration

Schemas

SCHEMAS

Filter objects

PizzaHut

Tables

order_details

ORDERS

pizzas

pizza_types2

Views

Stored Procedures

Object Info

Session

Table: pizza_types2

Columns:

pizza_type_id

text

name

text

category

text

ingredients

text

Query 2

order_details

pizzas

SQL File 6*

pizza_types2

Limit to 1000 rows

1

-- Identify the highest-priced pizza.

2

3

SELECT

4

pzt.name, pza.price AS Highest_Priced_Pizza

5

FROM

6

pizza_types2 AS pzt

7

JOIN

8

pizzas AS pza ON pzt.pizza_type_id = pza.pizza_type_id

9

ORDER BY pza.price DESC

10

LIMIT 1;

11

100%

2:11

Result Grid

Filter Rows:

Search

Export:

Fetch rows:

Result Grid

Result 1

Read Only

Action Output

	Time	Action	Response	Duration / Fetch Time
49	00:47:24	SELECT SUM(p.price * od.quantity) FROM order_details as od...	1 row(s) returned	0.046 sec / 0.00000...
50	00:48:52	SELECT ROUND(SUM(p.price * od.quantity), 2) as Total_Reven...	1 row(s) returned	0.045 sec / 0.00000...
51	00:50:36	SELECT * FROM PizzaHut.pizzas LIMIT 0, 1000	96 row(s) returned	0.0015 sec / 0.00002...
52	00:51:08	SELECT * FROM PizzaHut.pizza_types2 LIMIT 0, 1000	32 row(s) returned	0.00095 sec / 0.000...
53	00:54:30	SELECT pzt.name, pza.price as Highest_Priced_Pizza FROM pi...	1 row(s) returned	0.00096 sec / 0.000...

Formatted 1 statements.

order_details
orders
pizzas
pizza_types3
SQL File 13*
SQL File 14*
SQL File 15*
SQL File 16*
SQL File 17*
SQL File 18*
SQL File 19*
>>

Limit to 1000 rows

```

1  -- Determine the top 3 most ordered pizza types based on revenue for each pizza category.
2
3  -- We will have to rank pizzas in each category based on their revenue
4
5  SELECT category,name,revenue
6  FROM
7  (SELECT category,name,revenue,
8   rank() over(partition by category ORDER BY revenue DESC) as rn
9   FROM
10  (SELECT pizza_types3.category , pizza_types3.name , sum( order_details.quantity * pizzas.price ) as revenue
11   FROM pizzas JOIN order_details
12   ON pizzas.pizza_id = order_details.pizza_id
13   JOIN pizza_types3
14   ON pizza_types3.pizza_type_id = pizzas.pizza_type_id
15   GROUP BY pizza_types3.category , pizza_types3.name) as unranked_revenue) as b
16  where rn <=3; -- we have marked another table as b so that we can limit ranking to atmost 3

```

100%
14:16

Result Grid

Filter Rows:

Export:

category	name	revenue	
Chicken	The Thai Chicken Pizza	43434.25	
Chicken	The Barbecue Chicken Pizza	42768	
Chicken	The California Chicken Pizza	41409.5	
Classic	The Classic Deluxe Pizza	38180.5	
Classic	The Hawaiian Pizza	32273.25	
Classic	The Pepperoni Pizza	30161.75	
Supreme	The Spicy Italian Pizza	34831.25	
Supreme	The Italian Supreme Pizza	33476.75	
Supreme	The Sicilian Pizza	30940.5	
Veggie	The Four Cheese Pizza	32265.70000000065	
Veggie	The Mexicana Pizza	26780.75	
Veggie	The Five Cheese Pizza	26066.5	

Result 4

Read Only

Result Grid

Form Editor

Field Types