

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

pizzahut

Tables

order_details

orders

pizza_types

pizzas

Views

Stored Procedures

Functions

sys

Administration

Schemas

Information

No object selected

PizzaSales Analysis using MySQL

order_details

pizza_types

orders

pizzas

Limit to 1000 rows

1 • use pizzahut;

2

3 -- 1.Retrieve the total number of orders placed.

4 • SELECT

5 COUNT(order_id) AS total_number_of_orders

6 FROM

7 orders;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

| total_number_of_orders |
|------------------------|
| 21350 |

Result 12

Read Only

Context Help

Snippets

Output

Action Output

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid

Form Editor

Field Types

Query Stats

Execution Plan

Ready

38°C Partly cloudy

Search

ENG IN

18:45 24-04-2025

MySQL Workbench

Local instance MySQL80

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Navigator

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PizzaSales Analysis using MySQL

order_details

pizza_types

orders

pizzas

Limit to 1000 rows

SQL

18

19 -- 3. Identify the most common pizza size ordered.

20 • SELECT

21 pizzas.size, COUNT(order_details.order_details_id) as ordercount

22 FROM

23 pizzas

24 JOIN

25 order_details ON pizzas.pizza_id = order_details.pizza_id

26 GROUP BY pizzas.size order by ordercount desc;

27

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

| | size | ordercount |
|---|------|------------|
| ▶ | L | 18526 |
| | M | 15385 |
| | S | 14137 |
| | XL | 544 |
| | XXL | 28 |

Administration

Schemas

Information

No object selected

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid

Form Editor

Field Types

Query Stats

Execution Plan

Result 14

Read Only

Context Help

Snippets

Output

Action Output

Object Info

Session

Query Completed

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18:49

24-04-2025

MySQL Workbench

Local instance MySQL80

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Navigator

SCHEMAS

Filter objects

pizzahut

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order_details

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PizzaSales Analysis using MyS...

order_details

pizza_types

orders

pizzas

Limit to 1000 rows

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

27

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

29 • SELECT

30 pizza_types.name, sum(order_details.quantity) as quantity

31 FROM

32 pizza_types

33 JOIN

34 pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id

35 JOIN

36 order_details ON order_details.pizza_id = pizzas.pizza_id

37 GROUP BY pizza_types.name

38 ORDER BY quantity DESC

39 LIMIT 5;

40

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

Field Types

Query Stats

Administration

Schemas

Information

No object selected

Result 15

Read Only

Context Help

Snippets

Output

Action Output

Object Info

Session

Query Completed

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Search

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IN

18:50

24-04-2025

MySQL Workbench

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Navigator

SCHEMAS

Filter objects

pizzahut

- Tables
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sys

PizzaSales Analysis using MySQL

order_details pizza_types orders pizzas

Limit to 1000 rows

```
42
43 -- 5.Join the necessary tables to find the total quantity of each pizza category ordered.
44 • SELECT
45     pizza_types.category, sum(order_details.quantity) as quantity
46 FROM
47     pizza_types
48     JOIN
49     pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
50     JOIN
51     order_details ON order_details.pizza_id = pizzas.pizza_id
52 GROUP BY pizza_types.category
53 ORDER BY quantity DESC;
54
```

Result Grid

| | category | quantity |
|---|----------|----------|
| ▶ | Classic | 14888 |
| | Supreme | 11987 |
| | Veggie | 11649 |
| | Chicken | 11050 |

Administration Schemas

Information

No object selected

Result 16

Read Only Context Help Snippets

Output

Action Output

Query Completed

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Search

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18:50 24-04-2025

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

pizzahut

- Tables
 - order_details
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- Functions

sys

Administration Schemas

Information

No object selected

PizzaSales Analysis using MySQL x order_details pizza_types orders pizzas

Limit to 1000 rows

```
54
55 -- 6.Determine the distribution of orders by hour of the day.
56 • SELECT
57     HOUR(time), COUNT(order_id) AS order_count
58 FROM
59     orders
60 GROUP BY HOUR(time);
61
```

Result Grid

| | HOUR(time) | 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 |

Result 17 x

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Output

Action Output

SQLAdditions

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Query Completed

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MySQL Workbench

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Navigator

SCHEMAS

Filter objects

pizzahut

Tables

order_details

orders

pizza_types

pizzas

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Information

No object selected

PizzaSales Analysis using MyS...

order_details

pizza_types

orders

pizzas

Limit to 1000 rows

61

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

63 • SELECT

64 category, COUNT(name)

65 FROM

66 pizza_types

67 GROUP BY category;

68

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

| | category | COUNT(name) |
|---|----------|-------------|
| ▶ | Chicken | 6 |
| | Classic | 8 |
| | Supreme | 9 |
| | Veggie | 9 |

Result 18

Read OnlyContext HelpSnippets

Output

Action Output

Query Completed

SQLAdditions

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Result Grid

Form Editor

Field Types

Query Stats

Execution Plan

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Search

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18:52

24-04-2025

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

pizzahut

- Tables
 - order_details
 - orders
 - pizza_types
 - pizzas
- Views
- Stored Procedures
- Functions

sys

PizzaSales Analysis using MyS... x order_details pizza_types orders pizzas

Limit to 1000 rows

```
69 -- 8.Group the orders by date and calculate the average number of pizzas ordered per day.
70 • SELECT
71     round(AVG(quantity),0) as avg_pizza_ordered_per_day
72 FROM
73     (SELECT
74         orders.date, SUM(order_details.quantity) as quantity
75     FROM
76         orders
77     JOIN order_details ON orders.order_id = order_details.order_id
78     GROUP BY orders.date) AS order_quantity;
79
```

Result Grid

| avg_pizza_ordered_per_day |
|---------------------------|
| 138 |

Filter Rows: Export: Wrap Cell Content:

Administration Schemas

Information

No object selected

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid

Form Editor

Field Types

Query Stats

Result 19 x


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Output

Action Output

Query Completed

SQLAdditions

◀ ▶ |   | Jump to

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

```

79
80 -- 9.Determine the top 3 most ordered pizza types based on revenue.
81 • SELECT
82     pizza_types.name,
83     SUM(order_details.quantity * pizzas.price) AS revenue
84 FROM
85     pizza_types
86     JOIN
87     pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id
88     JOIN
89     order_details ON order_details.pizza_id = pizzas.pizza_id
90 GROUP BY pizza_types.name
91 ORDER BY revenue DESC
92 LIMIT 3;
93

```

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 32 x Read Only Context Help Snippets

Action Output

| # | Time | Action | Message | Duration / Fetch |
|----|----------|---|---------------------|-----------------------|
| 31 | 18:54:24 | SELECT pizza_types.category, ROUND(SUM(order_details.quantity * pizzas.price) / (SELECT ... | 4 row(s) returned | 0.375 sec / 0.000 sec |
| 32 | 18:54:24 | select date,sum(revenue) over (order by date) as cum_revenue from (select orders.date, sum(order_d... | 358 row(s) returned | 0.656 sec / 0.000 sec |
| 33 | 18:55:01 | SELECT round(AVG(quantity),0) as avg_pizza_ordered_per_day FROM (SELECT orders... | 1 row(s) returned | 0.204 sec / 0.000 sec |
| 34 | 18:55:39 | SELECT pizza_types.name, SUM(order_details.quantity * pizzas.price) AS revenue FROM pi... | 3 row(s) returned | 0.265 sec / 0.000 sec |

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sys

Administration Schemas Information

No object selected

PizzaSales Analysis using MySQL x order_details pizza_types orders pizzas

Limit to 1000 rows

```
94 -- 10.Calculate the percentage contribution of each pizza type to total revenue.
95 • SELECT
96     pizza_types.category,
97     ROUND(SUM(order_details.quantity * pizzas.price) / (SELECT
98         ROUND(SUM(order_details.quantity * pizzas.price),
99             2) AS total_sales
100         FROM
101             order_details
102             JOIN
103             pizzas ON pizzas.pizza_id = order_details.pizza_id) * 100,
104         2) AS revenue
105 FROM
106     pizza_types
107     JOIN
108     pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
109     JOIN
110     order_details ON order_details.pizza_id = pizzas.pizza_id
111 GROUP BY pizza_types.category
112 ORDER BY revenue DESC;
113
```

Result Grid

| | category | revenue |
|---|----------|---------|
| ▶ | Classic | 26.91 |
| | Supreme | 25.46 |
| | Chicken | 23.96 |
| | Veggie | 23.68 |

Result 33 x

Output

SQLAdditions

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Read Only Context Help Snippets

Query Completed

MySQL Workbench

Local instance MySQL80 x

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Navigator

SCHEMAS

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PizzaSales Analysis using MyS...

order_details

pizza_types

orders

pizzas

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

93

94 -- 11.Analyze the cumulative revenue generated over time.

95 • select date,sum(revenue) over (order by date) as cum_revenue from

96 (select orders.date,

97 sum(order_details.quantity * pizzas.price) as revenue from order_details join pizzas

98 on order_details.pizza_id = pizzas.pizza_id

99 join orders

100 on orders.order_id = order_details.order_id

101 group by orders.date) as sales;

102

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 |
| | 2015-01-06 00:00:00 | 14358.5 |
| | 2015-01-07 00:00:00 | 16560.7 |
| | 2015-01-08 00:00:00 | 19399.05 |
| | 2015-01-09 00:00:00 | 21526.4 |
| | 2015-01-10 00:00:00 | 23990.350000000002 |
| | 2015-01-11 00:00:00 | 25862.65 |
| | 2015-01-12 00:00:00 | 27781.7 |
| | 2015-01-13 00:00:00 | 29831.300000000003 |
| | 2015-01-14 00:00:00 | 32358.700000000004 |
| | 2015-01-15 00:00:00 | 34343.500000000001 |
| | 2015-01-16 00:00:00 | 36937.650000000001 |
| | 2015-01-17 00:00:00 | 39001.750000000001 |
| | 2015-01-18 00:00:00 | 40978.600000000006 |
| | 2015-01-19 00:00:00 | 43365.750000000001 |
| | 2015-01-20 00:00:00 | 45763.650000000001 |

Result 34 x

Read Only

Context Help

Snippets

Object Info

Session

Query Completed

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18:58

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