

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- mymoviedb
- users
- Views
- Stored Procedures
- Functions
- pizzahut**
  - Tables
    - order\_details
    - orders
    - pizza\_types
    - pizzas
  - Views
  - Stored Procedures
  - Functions
- sys
- testdb

Administration Schemas

Information

Table: **order\_details**

Columns:

<u>order_details_id</u>	int PK
order_id	int
pizza_id	text
quantity	int

```
1 -- determine the top most ordered pizza type based on revenue
2
3 SELECT
4     pizza_types.name,
5     SUM(order_details.quantity * pizzas.price) AS revenue
6 FROM
7     pizza_types
8 JOIN
9     pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
10 JOIN
11     order_details ON order_details.pizza_id = pizzas.pizza_id
12 GROUP BY
13     pizza_types.name
14 ORDER BY
15     revenue DESC
16 LIMIT 3;
17
```

Result Grid

name	revenue
The Thai Chicken Pizza	260605.5
The Barbecue Chicken Pizza	256608
The California Chicken Pizza	248457

Result 1 x

Object Info Session

Query interrupted

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Administration Schemas

Information

Table: **order\_details**

Columns:

order_details_id	int PK
order_id	int
pizza_id	text
quantity	int

```
1 -- group the orders by date and calculate the average
2 -- number of pizzas ordered per day.
3 SELECT
4     ROUND(AVG(quantity), 0) as avg_pizza_ordered_per_day
5 FROM (
6     SELECT
7         orders.order_date,
8         SUM(order_details.quantity) AS quantity
9     FROM
10        orders
11    JOIN
12        order_details ON orders.order_id = order_details.order_id
13    GROUP BY
14        orders.order_date
15 ) AS order_quantity;
```

Result Grid

avg_pizza_ordered_per_day
138

Result 2 x

Output

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Table: **order\_details**

Columns:

<b>order_details_id</b>	int PK
order_id	int
pizza_id	text
quantity	int

Object Info Session

Query interrupted

2nd\* 1st 3rd\* 4th\* 5th\* 6th\* 7th\* 8th\* x 9th\* 10th\*

Limit to 1000 rows

```
1 -- join relevant table to find the
2 -- category-wise distribution of pizzas.
3
4 • select category,count(name) from pizza_types
5 group by category;
```

Result Grid

category	count(name)
Chicken	12
Classic	16
Supreme	18
Veggie	18

Result 1 x

Output

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Columns:

<u>order_details_id</u>	int PK
order_id	int
pizza_id	text
quantity	int

Query Editor

```
-- determine the distribution of order by of the day
select hour(order_time),count(order_id)from orders
group by hour(order_time);
```

Result Grid

hour(order_time)	count(order_id)
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 1 x

Output

Query interrupted

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Information

Table: **order\_details**

Columns:

- order\_details\_id int PK
- order\_id int
- pizza\_id text
- quantity int

```
1  -- join the necessary table to find the
2  -- total quantity of each pizza category ordered.
3
4  SELECT
5      pizza_types.category,
6      SUM(order_details.quantity) AS quantity
7  FROM
8      pizza_types
9  JOIN
10     pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
11  JOIN
12     order_details ON order_details.pizza_id = pizzas.pizza_id
13  GROUP BY
14     pizza_types.category
15  ORDER BY
16     quantity DESC
17  LIMIT 1000;
18
```

Result Grid

category	quantity
Classic	89328
Supreme	71922
Veggie	69894
Chicken	66300

Result 1 x

Output

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Navigator: 2nd\* 1st 3rd\* 4th\* 5th\* x 6th\* 7th\* 8th\* 9th\* 10th\*

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Information

Table: **order\_details**

Columns:

order_details_id	int PK
order_id	int
pizza_id	text
quantity	int

```
1 -- list the top 5 most ordered pizza types
2 -- along with their quantities.
3 SELECT
4     pizza_types.name,
5     SUM(order_details.quantity) AS quantity
6 FROM
7     pizza_types
8 JOIN
9     pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
10 JOIN
11     order_details ON order_details.pizza_id = pizzas.pizza_id
12 GROUP BY
13     pizza_types.name
14 ORDER BY
15     quantity DESC
16 LIMIT 5;
17
```

Result Grid

name	quantity
The Classic Deluxe Pizza	14718
The Barbecue Chicken Pizza	14592
The Hawaiian Pizza	14532
The Pepperoni Pizza	14508
The Thai Chicken Pizza	14226

Result 4 x

Output

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Administration Schemas

Information

**Table: order\_details**

**Columns:**

order_details_id	int PK
order_id	int
pizza_id	text
quantity	int

```
1 -- Identify the most comma pizza size ordered.
2 SELECT
3     pizzas.size,
4     COUNT(order_details.order_details_id) AS order_count
5 FROM
6     pizzas
7     JOIN
8     order_details ON pizzas.pizza_id = order_details.pizza_id
9 GROUP BY pizzas.size
10 ORDER BY order_count DESC;
```

Result Grid | Filter Rows: | Exports: | Wrap Cell Contents: |

size	order_count
L	55578
M	46155
S	42411
XL	1632
XXL	84

Result 2 x

Output

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Table: **order\_details**

Columns:

<b>order_details_id</b>	int PK
order_id	int
pizza_id	text
quantity	int

Object Info Session

Query interrupted

2nd\* 1st 3rd\* x 4th\* 5th\* 6th\* 7th\* 8th\* 9th\* 10th\*

Limit to 1000 rows

```
1 -- Identify the highest-priced pizza.
2 SELECT
3     pizza_types.name,
4     pizzas.price
5 FROM
6     pizza_types
7 JOIN
8     pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
9 ORDER BY
10    pizzas.price DESC
11 LIMIT 1;
12
```

Result Grid

name	price
The Greek Pizza	35.95

Result 1 x

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Columns:

<u>order_details_id</u>	int PK
order_id	int
pizza_id	text
quantity	int

Object Info Session

Query interrupted

2nd\* 1st 3rd\* 4th\* 5th\* 6th\* 7th\* 8th\* 9th\* 10th\*

Limit to 1000 rows

```
1 -- calculate the total revenue generated from pizza sales.
2
3
4 • SELECT
5   ROUND(SUM(order_details.quantity * pizzas.price), 2) AS total_sales
6 FROM
7   order_details
8 JOIN
9   pizzas ON pizzas.pizza_id = order_details.pizza_id;
10
```

Result Grid

total_sales
2453580.15

Result 1 x

Output

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Information

Table: **order\_details**

Columns:

<u>order_details_id</u>	int PK
order_id	int
pizza_id	text
quantity	int

Object Info Session

Query interrupted

2nd\* 1st\* 3rd\* 4th\* 5th\* 6th\* 7th\* 8th\* 9th\* 10th\*

Limit to 1000 rows

```
1 -- Retrieve the total number of order placed.
2 • select count(order_id) as total_order from orders;
```

Result Grid

total_order
21350

Result 1 x

Output

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