

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

Schemas

Filter objects

college
employee
games
library
office
onlinebookstore
books
customers
orders
Views
Stored Procedures
Functions
payment
pizzahut
realtors
sakila
school
student

Administration Schemas

Information

Table: books

Columns:

book_id	bigint UN AI PK
title	varchar(
author	varchar(
genre	varchar(
published_year	int
price	decimal(
stock	int

Object Info Session

USD/INR -0.48%

SQL File 7* SQL File 3* SQL File 4* SQL File 5* SQL File 6* SQL File 7* SQL File 8* SQL File 9* SQL File 10*

Limit to 1000 rows

```
9 | genre varchar(100),
10 | published_year int,
11 | price numeric(10,2),
12 | stock int);
13 |
14 * create table customers(
15 | customer_id serial primary key,
16 | name varchar(100),
17 | email varchar(100),
18 | phone varchar(15),
19 | city varchar(20),
20 | country varchar(20));
21 |
22 * create table orders(
23 | order_id serial primary key,
24 | customer_id int references customer(customer_id),
25 | book_id int references books(book_id),
26 | order_date date,
27 | quantity int,
28 | total_amount numeric(10,2));
```

Action Output

#	Time	Action	Message	Duration / Fetch
100	13:33:44	select distinct c.city, o.total_amount from customers c join orders o on o.customer_id = c.customer_id having m...	Error Code: 1054. Unknown column 'money_spent' in 'having clause'	0.000 sec
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Search

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Table: books

Columns:

book_id	bigint UNI AI PK	title varchar(author varchar(genre varchar(published_year int	price decimal(stock int
---------	------------------------	-------------------	--------------------	-------------------	-----------------------	-------------------	--------------

Object Info Session

-- Find the customers who spent more on orders

```
1 -- Find the customers who spent more on orders
2
3
4 • select c.name, sum(total_amount) as total_spent
5   from customers c
6   join orders o
7   on o.customer_id = c.customer_id
8   group by c.name
9   order by total_spent desc;
```

Result Grid

name	total_spent
Kim Turner	1398.90
Jonathon Strickland	1080.95
Carrie Perez	1052.27
Julie Smith	991.00
Pamela Gordon	986.30
Anthony Young	929.19
Robert Clark	746.65
Justin Spencer	719.93
Alexander Scott	682.15
Cynthia Cooper	667.27

Result 1

Action Output

#	Time	Action	Message	Duration / Fetch
100	13:33:44	select distinct c.city, o.total_amount from customers c join orders o on o.customer_id = c.customer_id having m...	Error Code: 1054. Unknown column 'money_spent' in 'having clause'	0.000 sec
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Administration Schemas

Information

Table: books

Columns:

book_id	title	author	genre	published_year	price	stock
bigint UNI AI PK	varchar(varchar(varchar(int	decimal(int

Object Info Session

SQL File 7* SQL File 3* SQL File 4* SQL File 5* SQL File 6* SQL File 7* SQL File 8* SQL File 9* SQL File 10*

```
1 -- list the cities where customers who spent over $30
2
3 * select distinct c.city, o.total_amount
4   from customers c
5   join orders o
6   on o.customer_id = c.customer_id
7   where o.total_amount >= 30
```

Result Grid

city	total_amount
Lake Paul	188.56
North Keith	216.60
Kelseyfort	85.50
East David	301.21
Richardsonville	136.36
Ramostad	249.40
Rogersborough	82.92
New Carlosbury	144.84
Ravenberg	379.71
West Anthony	123.00

Result 2

Action Output

#	Time	Action	Message	Duration / Fetch
100	13:33:44	select distinct c.city, o.total_amount from customers c join orders o on o.customer_id = c.customer_id having m...	Error Code: 1054. Unknown column 'money_spent' in 'having clause'	0.000 sec
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Table: books

Columns:

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Object Info Session

SQL File 7* SQL File 3* SQL File 4* SQL File 5* SQL File 6* SQL File 7* SQL File 8* SQL File 9* SQL File 10*

```
1 -- Retrieve the total number of books sold by each author
2
3
4 • select b.author, sum(o.quantity) book_sold
5   from books b
6   join orders o
7   on o.book_id = b.book_id
8   group by b.author
9
```

Result Grid

author	book_sold
Margaret Moore	8
John Davidson	13
Christopher Fuentes	6
Marissa Smith	16
Christopher Dixon	15
Tonya Saunders	21
Larry Hunt	6
Brandon Foster	4
Michelle Bell	11
Mary French	14

Result 1

Output

#	Time	Action	Message	Duration / Fetch
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Table: books

Columns:

book_id	bigint
UN A1	PK
title	varchar(
author	varchar(
genre	varchar(
published_year	int
price	decimal(
stock	int

Object Info Session

USD/INR -0.48%

SQL File 7* SQL File 3* SQL File 4* SQL File 5* SQL File 6* SQL File 7* SQL File 8* SQL File 9* SQL File 10*

```
1 -- show the top 3 most expensive books in 'fantacy' genre
2
3 * select book_id,price
4   from books
5   where genre = 'Fantasy'
6   order by price desc
7   limit 3;
8
```

Result Grid

book_id	price
240	49.90
462	49.23
238	48.97
*	NULL

Form Editor

Field Types

Action Output

#	Time	Action	Message	Duration / Fetch
100	13:33:44	select distinct c.city, o.total_amount from customers c join orders o on o.customer_id = c.customer_id having m...	Error Code: 1054. Unknown column 'money_spent' in 'having clause'	0.000 sec
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Administration Schemas

Information

Table: books

Columns:

book_id	bigint UNI A1 PK	title author genre published_year price stock	varchar(varchar(varchar(int decimal(int
88	4		
491	4		
333	4		
31	4		
120	4		
273	4		
73	4		
119	3		
407	3		
196	3		

Result Grid

book_id	order_count
88	4
491	4
333	4
31	4
120	4
273	4
73	4
119	3
407	3
196	3

Result 1

Action Output

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Administration Schemas

Information

Table: books

Columns:

book_id	bigint UNI A1 PK	title	varchar(author	varchar(genre	varchar(published_year	int	price	decimal(stock	int

Object Info Session

SQL File 7* SQL File 3* SQL File 4* SQL File 5* SQL File 6* SQL File 7* SQL File 8* SQL File 9* SQL File 10*

```
-- list the customer name who have placed atleast 2 orders
select c.name, count(*)
from customers c
join orders o
on o.customer_id = c.customer_id
group by c.name
having count(*) >= 2
```

Result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid Form Editor Field Types Read Only

name	count(*)
Gary Blair	2
Steven Miller	2
Philip Allen	2
John Wood	2
Dominique Turner	3
Jacob Kelley	2
Mr. David Cox	3
Peter Smith	2
April Anderson	2
Andrew Murray	3

Action Output

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Table: books

Columns:

	book_id	bigint UN AI PK	title author genre published_year price stock	varchar(varchar(varchar(int decimal(int
--	---------	-----------------------	--	--

Object Info Session

Result Grid

SQL File 4*

Limit to 1000 rows

avg_price

25.981690

Result Grid

Form Editor

Field Types

Result 5 ×

Action Output

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Information

Table: books

Columns:

book_id	bigint UNI AI PK	title	author	genre	published_year	price	stock

Object Info Session

SQL File 7* SQL File 3* SQL File 4* SQL File 5* SQL File 6* SQL File 7* SQL File 8* SQL File 9* SQL File 10*

```
1 -- Retrieve the total numbers of books sold for each genre
2
3 • SELECT b.genre, sum(o.quantity) books_sold
4   from books b
5   join orders o
6   on o.book_id = b.book_id
7   group by b.genre
```

Result Grid

genre	books_sold
Biography	285
Fantasy	446
Science Fiction	447
Mystery	504
Romance	439
Non-Fiction	351
Fiction	225

Result 5 x

Output

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