

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

- dd_tcl
- film_db
- ihh_college
- ihh_db
- music_database**

Tables

- album
- artist
- customer
- employee
- genre
- invoice
- invoice_line
- media_type
- playlist
- playlist_track
- track

Views

Administration Schemas

Information

No object selected

Query 1 class_table employee Problem No 1 Problem No 2 Problem No 3 Problem No 4 Problem No 5 Problem No 6 Problem No 7 Problem No 8 SQLAdditions

1 • `SELECT title, last_name, first_name
FROM employee
ORDER BY levels DESC
LIMIT 1`

Result Grid Filter Rows: Export: Wrap Cell Contents: Fetch rows:

	title	last_name	first_name
▶	General Manager	Adams	Andrew

Result Grid Form Editor

employee 1 ×

Output

Action Output

#	Time	Action
1	17:22:41	SELECT title, last_name, first_name FROM employee ORDER BY levels DESC LIMIT 1

Message 1 row(s) returned Duration / Fetch 0.000 sec / 0.000 sec

Activate Windows Go to Settings to activate Windows.

Object Info Session

File Edit View Query Database Server Tools Scripting Help

Navigator Schemas

Filter objects

- dd_td
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Administration Schemas

Information No object selected

Query 1 class_table employee Problem No 1 Problem No 2 Problem No 3 Problem No 4 Problem No 5 Problem No 6 Problem No 7 Problem No 8

SQLAdditions... SQL Editor

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

```
1 • SELECT COUNT(*) AS c, billing_country
2   FROM invoice
3   GROUP BY billing_country
4   ORDER BY c DESC
5
```

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

Result 1 × Read Only Context Help Snippets

Output Action Output

#	Time	Action	Message	Duration / Fetch
1	17:22:41	SELECT title, last_name, first_name FROM employee ORDER BY levels DESC LIMIT 1	1 row(s) returned	0.000 sec / 0.000 sec
2	17:24:51	SELECT COUNT(*) AS c, billing_country FROM invoice GROUP BY billing_country ORDER BY c DESC LIMIT... 24 row(s) returned		0.078 sec / 0.000 sec

Activate Windows 0.078 sec / 0.000 sec
Go to Settings to activate Windows.

The screenshot shows a MySQL Workbench interface. The top menu includes File, Edit, View, Query, Database, Server, Tools, Scripting, and Help. The Navigator panel on the left lists schemas like dd_td, film_db, ihc_college, ihc_db, and music_database, with music_database expanded to show tables such as album, artist, customer, employee, genre, invoice, invoice_line, media_type, playlist, playlist_track, and track. The Administration and Schemas tabs are selected. The Information panel shows 'No object selected'. The main area has tabs for Query 1, class_table, employee, and several Problem No tabs (1-8). A toolbar above the tabs includes icons for file operations, search, and export. The central pane displays a query in blue text:

```
1 • SELECT COUNT(*) AS c, billing_country
2   FROM invoice
3   GROUP BY billing_country
4   ORDER BY c DESC
5
```

Below the query is a Result Grid showing the results of the execution:

C	billing_country
131	USA
76	Canada
61	Brazil

On the right side of the results grid are buttons for 'Result Grid' and 'Form Editor'. Below the results grid are buttons for 'Read Only', 'Context Help', and 'Snippets'. The bottom section is labeled 'Output' and contains an 'Action Output' table with two rows of logs. The first log is for a SELECT statement on employees, and the second is for the current query on invoices. The bottom right corner features a promotional message for activating Windows.

Schemas

music_database

Tables

- album
- artist
- customer
- employee
- genre
- invoice
- invoice_line
- media_type
- playlist
- playlist_track
- track

No object selected

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	17:22:41	SELECT title, last_name, first_name FROM employee ORDER BY levels DESC LIMIT 1	1 row(s) returned	0.000 sec / 0.000 sec
2	17:24:51	SELECT COUNT(*) AS c, billing_country FROM invoice GROUP BY billing_country ORDER BY c DESC LIMIT ...	24 row(s) returned	0.078 sec / 0.000 sec
3	17:36:10	SELECT total FROM invoice ORDER BY total DESC LIMIT 0, 1000	614 row(s) returned	0.562 sec / 0.000 sec
4	17:36:15	SELECT billing_city, SUM(total) AS InvoiceTotal FROM invoice GROUP BY billing_city ORDER BY InvoiceTotal ...	1 row(s) returned	0.000 sec / 0.000 sec

Activate Windows

Go to Settings to activate Windows

0.000 sec / 0.000 sec

0.078 sec / 0.000 sec

0.562 sec / 0.000 sec

0.000 sec / 0.000 sec

Local instance MySQL80 X

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Navigator

SCHEMAS

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Administration Schemas

Information

No object selected

Query 1 class_table employee Problem No 1 Problem No 2 Problem No 3 Problem No 4 Problem No 5 Problem No 6 Problem No 7 Problem No 8

SQLAdditions < > ? Jump to

```

1 • SELECT billing_city,SUM(total) AS InvoiceTotal
2   FROM invoice
3   GROUP BY billing_city
4   ORDER BY InvoiceTotal DESC
5   LIMIT 1;
6

```

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

billing_city	InvoiceTotal
Prague	273.2400000000...

Result 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	17:22:41	SELECT title, last_name, first_name FROM employee ORDER BY levels DESC LIMIT 1	1 row(s) returned	0.000 sec / 0.000 sec
2	17:24:51	SELECT COUNT(*) AS c, billing_country FROM invoice GROUP BY billing_country ORDER BY c DESC LIMIT 1	24 row(s) returned	0.078 sec / 0.000 sec
3	17:36:10	SELECT total FROM invoice ORDER BY total DESC LIMIT 0, 1000	614 row(s) returned	0.562 sec / 0.000 sec
4	17:36:15	SELECT billing_city,SUM(total) AS InvoiceTotal FROM invoice GROUP BY billing_city ORDER BY InvoiceTotal DESC LIMIT 1	1 row(s) returned	0.000 sec / 0.000 sec

Activate Windows Go to Settings to activate Win 10 Pro 0.078 sec / 0.000 sec

Object Info Session

Schemas

music_database

Tables

- album
- artist
- customer
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No object selected

File Edit View Query Database Server Tools Scripting Help

Problem No 4 Problem No 5 Problem No 6 Problem No 7 Problem No 8 Problem No 9 Problem No 10 music_database.customer invoice

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

```
1 • SELECT customer.customer_id, customer.first_name,
2 customer.last_name, sum(total) as Amount
3 FROM music_database.customer
4 JOIN invoice ON customer.customer_id = invoice.customer_id
5 GROUP BY customer.customer_id, first_name, last_name
6 ORDER BY Amount DESC
```

customer_id	first_name	last_name	Amount
5	František	Wichterlová	144.5400000000...

Result Grid | Filter Rows: | Exports: | Wrap Cell Content: | Fetch rows: | Result Grid | Form Editor | Field Types | Read Only | Context Help | Snippets

Action Output

#	Time	Action	Message	Duration / Fetch
24	18:31:20	SELECT artist.artist_id, artist.name, count(artist.artist_id) AS no_of_songs FROM music_database.track JOIN artist ON track.artist_id = artist.artist_id GROUP BY artist.artist_id	8 row(s) returned	0.016 sec / 0.000 sec
25	18:37:19	SELECT artist.artist_id, artist.name, genre.name, count(artist.artist_id) AS no_of_songs FROM music_database...	Error Code: 1055. Expression #3 of SELECT list is not in GROUP BY clause and contains nonaggregated column 'genre.name'...	0.234 sec
26	18:37:41	SELECT artist.artist_id, artist.name, genre.name, count(artist.artist_id) AS no_of_songs FROM music_database...	8 row(s) returned	Go to Settings to activate 0.172 sec / 0.000 sec
27	18:37:52	SELECT artist.artist_id, artist.name, genre.name, count(artist.artist_id) AS no_of_songs FROM music_database...	8 row(s) returned	0.031 sec / 0.000 sec

Object Info Session

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

SCHEMAS

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Administration Schemas

Information

No object selected

Object Info Session

Query 1 class_table employee Problem No 1 Problem No 2 Problem No 3 Problem No 4 Problem No 5 Problem No 6 Problem No 7 Problem No 8

SQLAdditions... SQL Editor... Jump to

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```

1 • SELECT DISTINCT email,first_name, last_name
2   FROM customer
3   JOIN invoice ON customer.customer_id = invoice.customer_id
4   JOIN invoice_line ON invoice.invoice_id = invoice_line.invoice_
5   WHERE track_id IN(
       SELECT track_id FROM track
  )
  
```

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

email	first_name	last_name
aaronmitchell@y...	Aaron	Mitchell
alero@uol.com.br	Alexandre	Rocha
astrid.gruber@ap...	Astrid	Gruber
bjorn.hansen@ya...	Bjørn	Hansen
camille.bernard@...	Camille	Bernard

Result 1 X Read Only Context Help Snippets

Output

Action	Time	Action	Message	Duration / Fetch
2	17:24:51	SELECT COUNT(*) AS c, billing_country FROM invoice GROUP BY billing_country ORDER BY c DESC LIMIT 0, 1000	24 row(s) returned	0.078 sec / 0.000 sec
3	17:36:10	SELECT total FROM invoice ORDER BY total DESC LIMIT 0, 1000	614 row(s) returned	0.562 sec / 0.000 sec
4	17:36:15	SELECT billing_city,SUM(total) AS InvoiceTotal FROM invoice GROUP BY billing_city ORDER BY InvoiceTo...	1 row(s) returned	0.000 sec / 0.000 sec
5	17:38:00	SELECT DISTINCT email,first_name, last_name FROM customer JOIN invoice ON customer.customer_id = in...	58 row(s) returned	1.219 sec / 0.000 sec

Activate Windows 0.562 sec / 0.000 sec Go to Settings to activate 0.000 sec / 0.000 sec

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Navigator

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Views

Administration Schemas

Information

No object selected

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

Problem No 4 Problem No 5 Problem No 6 Problem No 7* Problem No 8 Problem No 9 Problem No 10 music_database.customer invoice

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.

```

1 • SELECT artist.artist_id, artist.name, genre.name,
2   count(artist.artist_id) AS no_of_songs
3   FROM music_database.track
4   JOIN album ON album.album_id = track.album_id
5   JOIN artist ON artist.artist_id = album.artist_id
6   JOIN genre ON genre.genre_id = track.genre_id

```

artist_id	name	name	no_of_songs
1	AC/DC	Rock	18
3	Aerosmith	Rock	15
8	Audioslave	Rock	14
22	Led Zeppelin	Rock	14
4	Alanis Morissette	Rock	13

Result 12 ×

Result Grid Form Editor Field Types

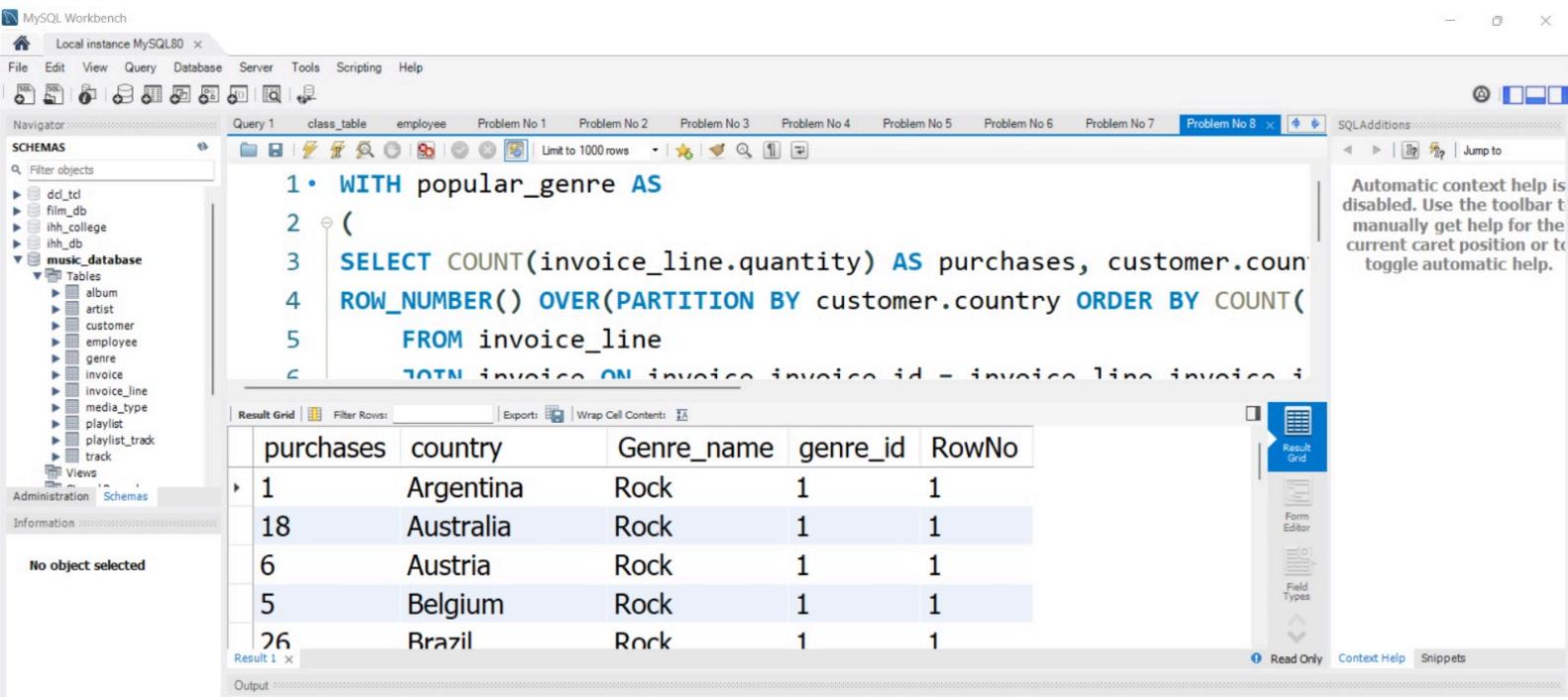
Read Only Context Help Snippets

Action Output

#	Time	Action	Message	Duration / Fetch
24	18:31:20	SELECT artist.artist_id, artist.name, count(artist.artist_id) AS no_of_songs FROM music_database.track JOIN a...	8 row(s) returned	0.016 sec / 0.000 sec
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27	18:37:52	SELECT artist.artist_id, artist.name, genre.name, count(artist.artist_id) AS no_of_songs FROM music_database...	8 row(s) returned	0.031 sec / 0.000 sec

Activate Windows Go to Settings to activate 0.172 sec / 0.000 sec

Object Info Session



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Navigator Schemas Filter objects

SCHEMAS

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Views

Administration Schemas

No object selected

Result Grid Filter Rows Export Wrap Cell Contents

WITH Customer_with_country AS (

SELECT customer.customer_id, first_name, last_name, billing_country, ROW_NUMBER() OVER(PARTITION BY billing_country ORDER BY total_spending DESC) AS rank

FROM invoice

JOIN customer ON customer.customer_id = invoice.customer_id

GROUP BY 1, 2, 3, 4

Result Grid Form Editor Field Types

Result 1 × Read Only Context Help Snippets

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customer_id	first_name	last_name	billing_country	total_spending
5	František	Wichterlová	Czech Republic	144.5400000000...
46	Hugh	O'Reilly	Ireland	114.8399999999...
58	Manoj	Pareek	India	111.8699999999...
1	Luís	Gonçalves	Brazil	108.8999999999...

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Result Grid | Filter Rows: | Export: | Wrap Cell Contents: | Result Grid | Form Editor | Field Types | Read Only | Context Help | Snippets

Problem No 4 Problem No 5 Problem No 6 Problem No 7* Problem No 8 Problem No 9 Problem No 10* music_database.customer invoice

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```

1 • WITH best_selling_artist AS (
2     SELECT artist.artist_id AS artist_id, artist.name AS artist_name
3     FROM invoice_line
4     JOIN track ON track.track_id = invoice_line.track_id
5     JOIN album ON album.album_id = track.album_id
6     JOIN artist ON artist.artist_id = album.artist_id
7     GROUP BY artist_id, artist_name
)

```

Result Grid

customer_id	first_name	last_name	artist_name	amount_spent
54	Steve	Murray	AC/DC	17.82
53	Phil	Hughes	AC/DC	10.89
21	Kathy	Chase	AC/DC	10.89
49	StanisÅaw	WÅ³cik	AC/DC	9.9

Action Output

#	Time	Action	Message	Duration / Fetch
1	18:56:36	WITH best_selling_artist AS (SELECT artist.artist_id AS artist_id, artist.name AS artist_name, SUM(invoice_line....)	42 row(s) returned	0.203 sec / 0.000 sec