

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

new_schema

- Tables
 - album2
 - artist
 - customer
 - employee
 - genre
 - invoice
 - invoice_line
 - media_type
 - playlist
 - playlist_track
 - track
- Views
- Stored Procedures
- Functions

Administration Schemas Information

No object selected

Query 1

Limit to 1000 rows

1 # who is senior most employee on job title ?

2

3 use new_schema;

4

5 select*from employee

6 order by levels desc

7 limit 2;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	employee_id	last_name	first_name	title	reports_to	levels	birthdate	hire_date	address
▶	1	Adams	Andrew	General Manager	9	L6	18-02-1962 00:00	14-08-2016 00:00	11120 Jasper Ave NW
	2	Edwards	Nancy	Sales Manager	1	L4	08-12-1958 00:00	01-05-2016 00:00	825 8 Ave SW
	3	Peacock	Jane	Sales Support Agent	2	L1	29-08-1973 00:00	01-04-2017 00:00	11116 Ave SW
	4	Park	Margaret	Sales Support Agent	2	L1	19-09-1947 00:00	03-05-2017 00:00	683 10 Street SW
	5	Johnson	Steve	Sales Support Agent	2	L1	03-03-1965 00:00	17-10-2017 00:00	7727B 41 Ave
	6	Mitchell	Michael	IT Manager	1	L3	01-07-1973 00:00	17-10-2016 00:00	5827 Bowness Road NW

employee 12

SQLAdditions

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

Read Only Context Help Snippets

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AdministrationSchemas

Information

Query 1

Limit to 1000 rows

1# who is senior most employee on job title ?

2

3• use new_schema;

4

5• select*from employee

6order by levels desc

7limit 2;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Fetch rows:

	employee_id	last_name	first_name	title	reports_to	levels	birthdate	hire_date	address	city
▶	1	Adams	Andrew	General Manager	9	L6	18-02-1962 00:00	14-08-2016 00:00	11120 Jasper Ave NW	Edmonton
	2	Edwards	Nancy	Sales Manager	1	L4	08-12-1958 00:00	01-05-2016 00:00	825 8 Ave SW	Calgary

Form Editor

Read OnlyContext HelpSnippets

SQLAdditions

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Administration Schemas

Information

No object selected

Query 1

```
5 • select*from employee
6 order by levels desc
7 limit 2;
8
9 # which countries have most of invoices ?
10
11 • select*from invoice;
```

Limit to 1000 rows

Result Grid

	invoice_id	customer_id	invoice_date	billing_address	billing_city	billing_state	billing_country	billing_postal_code	total
▶	1	18	2017-01-03 00:00:00	627 Broadway	New York	NY	USA	10012-2612	15.84
	2	30	2017-01-03 00:00:00	230 Elgin Street	Ottawa	ON	Canada	K2P 1L7	9.9
	3	40	2017-01-05 00:00:00	8, Rue Hanovre	Paris	None	France	75002	1.98
	4	18	2017-01-06 00:00:00	627 Broadway	New York	NY	USA	10012-2612	7.92
	5	27	2017-01-07 00:00:00	1033 N Park Ave	Tucson	AZ	USA	85719	16.83
	6	31	2017-01-10 00:00:00	194A Chain Lake Drive	Halifax	NS	Canada	B3S 1C5	1.98
	7	49	2017-01-12 00:00:00	Ordynacka 10	Warsaw	None	Poland	00-358	10.89

Invoice 14

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Administration Schemas

Information

No object selected

Query 1

Limit to 1000 rows

```
9 # which countries have most of invoices ?
10
11 • select*from invoice;
12
13 • select max(billing_country)
14 from invoice
15 group by billing_country;
```

Result Grid

max(billing_country)
USA
Canada
France
Poland
India
Germany
Portugal

Result 15

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Administration Schemas Information

No object selected

Query 1

Limit to 1000 rows

5

•

select*from employee

6

order by levels desc

7

limit 2;

8

9

which countries have most of invoices ?

10

11

•

select*from invoice;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	invoice_id	customer_id	invoice_date	billing_address	billing_city	billing_state	billing_country	billing_postal_code	total
▶	1	18	2017-01-03 00:00:00	627 Broadway	New York	NY	USA	10012-2612	15.84
	2	30	2017-01-03 00:00:00	230 Elgin Street	Ottawa	ON	Canada	K2P 1L7	9.9
	3	40	2017-01-05 00:00:00	8, Rue Hanovre	Paris	None	France	75002	1.98
	4	18	2017-01-06 00:00:00	627 Broadway	New York	NY	USA	10012-2612	7.92
	5	27	2017-01-07 00:00:00	1033 N Park Ave	Tucson	AZ	USA	85719	16.83
	6	31	2017-01-10 00:00:00	194A Chain Lake Drive	Halifax	NS	Canada	B3S 1C5	1.98
	7	49	2017-01-12 00:00:00	Ordynacka 10	Warsaw	None	Poland	00-358	10.89

invoice 14

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Administration Schemas

Information

No object selected

Query 1 x

Limit to 1000 rows

```
17 # What are top 3 values of total invoice ?
18
19 • select*from invoice
20 order by total desc
21 limit 3;
22
23
```

Result Grid

	invoice_id	customer_id	invoice_date	billing_address	billing_city	billing_state	billing_country	billing_postal_code	total
▶	183	42	2018-02-09 00:00:00	9, Place Louis Barthou	Bordeaux	None	France	33000	23.759999999999999
	92	32	2017-07-02 00:00:00	696 Osborne Street	Winnipeg	MB	Canada	R3L 2B9	19.8
	526	5	2020-06-08 00:00:00	Klanova 9/506	Prague	None	Czech Republic	14700	19.8

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Administration Schemas Information

No object selected

Query 1

Limit to 1000 rows

```
23 # Which city has the best customers? we would like to throw a promotional music festival in city we made the most
24 # money. write a query that return one city that has highest sum of invoice totals. Return both the city name & sum
25 # of all invoice totals.
26
27 • select sum(total) as invoice_total, billing_city
28    from invoice
29   group by billing_city
30  order by invoice_total desc;
```

Result Grid

invoice_total	billing_city
273.24000000000007	Prague
169.29	Mountain View
166.32	London
158.4	Berlin
151.47	Paris
129.69	SÃo Paulo
114.00000000000007	Dublin

Result 19

Output

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.

Result Grid

Form Editor

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Administration Schemas

Information

No object selected

Query 1

Limit to 1000 rows

```
31
32 # Who is best customer? The customer who spend most money will be declared as best customer. write a query that
33 # returns the person who has spent the most money.
34
35 • select*from customer
36
37
```

Result Grid

	customer_id	first_name	last_name	company	address	city
▶	1	LuÃs	GonÃsalves	Embraer - Empresa Brasileira de AeronÃutica S.A.	Av. Brigadeiro Faria Lima, 2170	SÃo JosÃ dos Camp
	2	Leonie	KÃhler		Theodor Heuss-StraÃe 34	Stuttgart
	3	FranÃois	Tremblay		1498 rue BÃclanger	MontrÃal
	4	BjÃrn	Hansen		UllevÃsveien 14	Oslo
	5	FrantiÅek	WichterlovÅi	JetBrains s.r.o.	Klanova 9/506	Prague

customer 20

Output

SQLAdditions

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Administration Schemas

Information

No object selected

Query 1

```
35 • select*from customer;
36
37 • select customer.customer_id, customer.first_name, customer.last_name, sum(invoice.total) as total
38   from customer
39  join invoice on customer.customer_id = invoice.customer_id
40  group by customer.customer_id, customer.first_name, customer.last_name
41  order by total desc
42  limit 2;
```

Result Grid

	customer_id	first_name	last_name	total
▶	5	František	Wichterlová	144.54000000000002
	6	Helena	Holáň	128.7

SQLAdditions

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Output

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Navigator

SCHEMAS

Filter objects

new_schema

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Query 1

```
44 # Write a query to return the email, first name, last name & genre of all rock music listeners. Return your list
45 # ordered alphabetically by email starting with A.
46
47 • select distinct email,first_name,last_name
48 from customer
49 join invoice on customer.customer_id = invoice.customer_id
50 join invoice_line on invoice.invoice_id = invoice_line.invoice_id
51 where track_id IN(
52 select track_id from track
```

Limit to 1000 rows

Result Grid

email	first_name	last_name
aaronmitchell@yahoo.ca	Aaron	Mitchell
bjorn.hansen@yahoo.no	Björn	Hansen
camille.bernard@yahoo.fr	Camille	Bernard
daan_peeters@apple.be	Daan	Peeters
dmiller@comcast.com	Dan	Miller

Result 31

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SQLAdditions

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No object selected

MySQL Workbench

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Navigator

SCHEMAS

Filter objects

new_schema

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Query 1

```
47 select distinct email,first_name,last_name
48 from customer
49 join invoice on customer.customer_id = invoice.customer_id
50 join invoice_line on invoice.invoice_id = invoice_line.invoice_id
51 where track_id IN(
52     select track_id from track
53     join genre on track.genre_id = genre.genre_id
54     where genre.name like 'rock')
55 order by email;
```

Limit to 1000 rows

Result Grid

email	first_name	last_name
aaronmitchell@yahoo.ca	Aaron	Mitchell
bjorn.hansen@yahoo.no	Björn	Hansen
camille.bernard@yahoo.fr	Camille	Bernard
daan_peeters@apple.be	Daan	Peeters
dmiller@comcast.com	Dan	Miller

Result 31

Output

SQLAdditions

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Administration Schemas

Information

No object selected

sql project

Limit to 1000 rows

```
53 join genre on track.genre_id = genre.genre_id
54 where genre.name like 'rock')
55 order by email;
56
57
58 # Return the name & milisecond for each track. Order by song length with longest song
59
60 • select*from track;
```

Result Grid

	track_id	name	album_id	media_type_id	genre_id	composer	milliseconds	bytes	unit_price
▶	940	116	2739	1	1	Angus Young, Malcolm Young, Brian Johnson	343719	11170334	0.99
	941	116	2975	1	1		342562	5510424	0.99
	943	116	3092	1	1	F. Baltes, S. Kaufman, U. Dirksneider & W. Hof...	230619	3990994	0.99
	944	116	35	1	1	F. Baltes, R.A. Smith-Diesel, S. Kaufman, U. Dir...	252051	4331779	0.99
	946	116	1180	1	1	Deaffy & R.A. Smith-Diesel	375418	6290521	0.99

track 1

Output

Action Output

SQLAdditions

Jump to

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Result Grid

Read Only

Context Help

Snippets

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Tables

album2

artist

customer

employee

genre

invoice

invoice_line

media_type

playlist

playlist_track

track

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Administration Schemas

Information

No object selected

sql project

Limit to 1000 rows

59 • select*from track;

60

61 • select name, milliseconds

62 from track

63 where milliseconds > (

64 select AVG (milliseconds) as length

65 from track)

66 order by milliseconds desc;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	name	milliseconds
▶	193	711836
	195	677694
	152	644571
	193	619467
	163	589531

track 2

Output

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Read Only

Context Help

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MySQL Workbench

Local instance MySQL80 x

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Navigator:

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Administration Schemas

Information

Table: customer

sql project x

Limit to 1000 rows

```
68 # Write a query that determines the customer that has spent most on music for each country, write a query that
69 # returns the country along with top customer & they spent. Provide all customer who spent this amount.
70
71 with customer_with_country as (
72   select customer.customer_id,first_name,last_name,billing_country,sum(total) as spent
73   from invoice
74   join customer on customer.customer_id = invoice.customer_id
75   group by 1,2,3,4
```

Result Grid

	customer_id	first_name	last_name	billing_country	spent
▶	56	Diego	Gutiérrez	Argentina	39.6
	55	Mark	Taylor	Australia	81.18
	7	Astrid	Gruber	Austria	69.3
	8	Daan	Peeters	Belgium	60.389999999999999
	1	Luís	Gonçalves	Brazil	108.899999999999998

Result 4 x

Output

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Administration Schemas

Information

Table: customer

sql project x

Limit to 1000 rows

```
71 with customer_with_country as (  
72   select customer.customer_id,first_name,last_name,billing_country,sum(total) as spent  
73   from invoice  
74   join customer on customer.customer_id = invoice.customer_id  
75   group by 1,2,3,4  
76   order by 4 asc, 5 desc  
77 )  
78 select*from customer_with_country;
```

Result Grid

	customer_id	first_name	last_name	billing_country	spent
▶	56	Diego	Gutiérrez	Argentina	39.6
	55	Mark	Taylor	Australia	81.18
	7	Astrid	Gruber	Austria	69.3
	8	Daan	Peeters	Belgium	60.38999999999999
	1	Luís	Gonçalves	Brazil	108.89999999999998

Result 4 x

Output

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