

MySQL Workbench

Local instance MySQL83 - W...

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

Filter objects

- mat\_ems
- sakila
- sys
- world

Administration Schemas

Information

No object selected

Query 1 SQL File 6\* SQL File 4\*

Limit to 1000 rows

```
1 create database OnlineBookstore;
2 use OnlineBookstore;
3 create table books
4 (book_id int primary key,
5  title varchar(50),
6  author_id int references authors(author_id),
7  price decimal(10,2),
8  publication_year int);
9 create table authors
10 (author_id int primary key,
11  author_name varchar(25),
12  ,author_country varchar(25));
```

SQLAdditions:

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

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	14:18:03	create database OnlineBookstore	1 row(s) affected	0.031 sec
✓ 2	14:18:03	use OnlineBookstore	0 row(s) affected	0.000 sec
✓ 3	14:18:59	create table books (book_id int primary key, title varchar(50), author_id int references authors(author_id), price dec...	0 row(s) affected	0.062 sec
✓ 4	14:19:54	create table authors (author_id int primary key, author_name varchar(25), author_country varchar(25))	0 row(s) affected	0.047 sec

Object Info Session

31°C Mostly sunny

Search

ENG IN

14:20 27-04-2024

MySQL Workbench

Local instance MySQL83 - W...

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

Filter objects

- mat\_ems
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- world

Administration Schemas

Information

No object selected

Query 1 SQL File 6\* SQL File 4\*

Limit to 1000 rows

```
1 • create database OnlineBookstore;
2 • use OnlineBookstore;
3 • create table books
4 • (book_id int primary key,
5 • title varchar(50),
6 • author_id int references authors(author_id),
7 • price decimal(10,2),
8 • publication_year int);
9 • create table authors
10 • (author_id int primary key,
11 • author_name varchar(25)
12 • ,author_country varchar(25));
13 • create table orders
14 • (order_id int primary key,
15 • book_id int references books(book_id),
16 • customer_name varchar(25),
17 • order_date varchar(10));
```

SQLAdditions:

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

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 2	14:18:03	use OnlineBookstore	0 row(s) affected	0.000 sec
✓ 3	14:18:59	create table books (book_id int primary key, title varchar(50), author_id int references authors(author_id), price d...	0 row(s) affected	0.062 sec
✓ 4	14:19:54	create table authors (author_id int primary key, author_name varchar(25), author_country varchar(25))	0 row(s) affected	0.047 sec
✓ 5	14:21:08	create table orders (order_id int primary key, book_id int references books(book_id), customer_name varchar(25)...	0 row(s) affected	0.094 sec

Object Info Session

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Search

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MySQL Workbench

Local instance MySQL83 - W...

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

msl\_ems

onlinebookstore

Tables

authors

books

orders

Views

Stored Procedures

Functions

sakila

sys

world

Administration Schemas

Information

No object selected

Query 1 SQL File 6 SQL File 4

Limit to 1000 rows

```
1 create database OnlineBookstore;
2 use OnlineBookstore;
3 create table books
4 (book_id int primary key,
5  title varchar(50),
6  author_id int references authors(author_id),
7  price decimal(10,2),
8  publication_year int);
9 create table authors
10 (author_id int primary key,
11  author_name varchar(25),
12  ,author_country varchar(25));
13 create table orders
14 (order_id int primary key,
15  book_id int references books(book_id),
16  customer_name varchar(25),
17  order_date varchar(10));
18 insert into books values(101,'Maths',201,340.50,2020);
19 insert into books values(102,'English',202,250.00,2019);
20 insert into books values(103,'Science',203,430.00,2022);
21 insert into books values(104,'Malayalam',204,300.50,2017);
```

SQLAdditions

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

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 6	14:22:54	insert into books values(101,'Maths',201,340.50,2020)	1 row(s) affected	0.016 sec
✓ 7	14:22:54	insert into books values(102,'English',202,250.00,2019)	1 row(s) affected	0.000 sec
✓ 8	14:22:54	insert into books values(103,'Science',203,430.00,2022)	1 row(s) affected	0.015 sec
✓ 9	14:22:54	insert into books values(104,'Malayalam',204,300.50,2017)	1 row(s) affected	0.000 sec

Object Info Session

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MySQL Workbench

Local instance MySQL83 - W...

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

mat\_ems

onlinebookstore

Tables

authors

books

orders

Views

Stored Procedures

Functions

sakila

sys

world

Administration Schemas

Information

No object selected

Query 1 SQL File 6 SQL File 4

Limit to 1000 rows

```
4 (book_id int primary key,
5 title varchar(50),
6 author_id int references authors(author_id),
7 price decimal(10,2),
8 publication_year int);
9 create table authors
10 (author_id int primary key,
11 author_name varchar(25)
12 ,author_country varchar(25));
13 create table orders
14 (order_id int primary key,
15 book_id int references books(book_id),
16 customer_name varchar(25),
17 order_date varchar(10));
18 insert into books values(101,'Maths',201,340.50,2020);
19 insert into books values(102,'English',202,250.00,2019);
20 insert into books values(103,'Science',203,430.00,2022);
21 insert into books values(104,'Malayalam',204,300.50,2017);
22 insert into authors values(201,'Alex','India');
23 insert into authors values(202,'Christina','America');
24 insert into authors values(203,'Chan','China');
25 insert into authors values(204,'Shankar','India');
```

SQLAdditions

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

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
9	14:22:54	insert into books values(104,'Malayalam',204,300.50,2017)	1 row(s) affected	0.000 sec
10	14:25:35	insert into authors values(201,'Alex','India')	1 row(s) affected	0.015 sec
11	14:25:35	insert into authors values(202,'Christina','America')	1 row(s) affected	0.016 sec
12	14:25:35	insert into authors values(203,'Chan','China')	1 row(s) affected	0.000 sec
13	14:25:35	insert into authors values(204,'Shankar','India')	1 row(s) affected	0.000 sec

Object Info Session

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MySQL Workbench

Local instance MySQL83 - W...

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

- Filter objects
- msl\_ems
- onlinebookstore
  - Tables
    - authors
    - books
    - orders
  - Views
  - Stored Procedures
  - Functions
- sakila
- sys
- world

Administration Schemas

Information

No object selected

Query 1 SQL File 6 SQL File 4

Limit to 1000 rows

```
11 author_name varchar(25)
12 ,author_country varchar(25));
13 create table orders
14 (order_id int primary key,
15  book_id int references books(book_id),
16  customer_name varchar(25),
17  order_date varchar(10));
18 insert into books values(101,'Maths',201,340.50,2020);
19 insert into books values(102,'English',202,250.00,2019);
20 insert into books values(103,'Science',203,430.00,2022);
21 insert into books values(104,'Malayalam',204,300.50,2017);
22 insert into authors values(201,'Alex','India');
23 insert into authors values(202,'Christina','America');
24 insert into authors values(203,'Chan','China');
25 insert into authors values(204,'Shankar','India');
26 insert into orders values(1,101,'Anu','12.01.2024');
27 insert into orders values(2,103,'Ashok','20.01.2024');
28 insert into orders values(3,101,'Bindhu','03.02.2024');
29 insert into orders values(4,104,'Christo','30.02.2024');
30 insert into orders values(5,102,'Jacob','01.03.2024');
31 insert into orders values(6,103,'Nora','07.04.2024');
32
```

SQLAdditions

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

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 17	14:28:45	insert into orders values(3,101,'Bindhu','03.02.2024')	1 row(s) affected	0.015 sec
✓ 18	14:28:45	insert into orders values(4,104,'Christo','30.02.2024')	1 row(s) affected	0.000 sec
✓ 19	14:28:45	insert into orders values(5,102,'Jacob','01.03.2024')	1 row(s) affected	0.000 sec
✓ 20	14:28:45	insert into orders values(6,103,'Nora','07.04.2024')	1 row(s) affected	0.000 sec

Object Info Session

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Search

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MySQL Workbench

Local instance MySQL83 - W...

File Edit View Query Database Server Tools Scripting Help

Navigator:

SCHEMAS

Filter objects

msl\_ems

onlinebookstore

Tables

authors

books

orders

Views

Stored Procedures

Functions

sakila

sys

world

Administration Schemas

Information

No object selected

Query 1 SQL File 6 SQL File 4

Limit to 1000 rows

```
20 • insert into books values(103,'Science',203,430.00,2022);
21 • insert into books values(104,'Malayalam',204,300.50,2017);
22 • insert into authors values(201,'Alex','India');
23 • insert into authors values(202,'Christina','America');
24 • insert into authors values(203,'Chan','China');
25 • insert into authors values(204,'Shankar','India');
26 • insert into orders values(1,101,'Anu','12.01.2024');
27 • insert into orders values(2,103,'Ashok','20.01.2024');
28 • insert into orders values(3,101,'Bindhu','03.02.2024');
29 • insert into orders values(4,104,'Christo','30.02.2024');
30 • insert into orders values(5,102,'Jacob','01.03.2024');
31 • insert into orders values(6,103,'Nora','07.04.2024');
32 • select * from books;
```

Result Grid

book_id	title	author_id	price	publication_year
101	Maths	201	340.50	2020
102	English	202	250.00	2019
103	Science	203	430.00	2022
104	Malayalam	204	300.50	2017

books 1

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 18	14:28:45	insert into orders values(4,104,'Christo','30.02.2024')	1 row(s) affected	0.000 sec
✓ 19	14:28:45	insert into orders values(5,102,'Jacob','01.03.2024')	1 row(s) affected	0.000 sec
✓ 20	14:28:45	insert into orders values(6,103,'Nora','07.04.2024')	1 row(s) affected	0.000 sec
✓ 21	14:29:23	select * from books LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

SQLAdditions

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

Object Info Session

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Search

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MySQL Workbench

Local instance MySQL83 - W...

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

Filter objects

msl\_ems

onlinebookstore

Tables

authors

books

orders

Views

Stored Procedures

Functions

sakila

sys

world

Administration Schemas

Information

No object selected

Query 1 SQL File 6 SQL File 4

Limit to 1000 rows

```
21 • insert into books values(104,'Malayalam',204,300.50,2017);
22 • insert into authors values(201,'Alex','India');
23 • insert into authors values(202,'Christina','America');
24 • insert into authors values(203,'Chan','China');
25 • insert into authors values(204,'Shankar','India');
26 • insert into orders values(1,101,'Anu','12.01.2024');
27 • insert into orders values(2,103,'Ashok','20.01.2024');
28 • insert into orders values(3,101,'Bindhu','03.02.2024');
29 • insert into orders values(4,104,'Christo','30.02.2024');
30 • insert into orders values(5,102,'Jacob','01.03.2024');
31 • insert into orders values(6,103,'Nora','07.04.2024');
32 • select * from books;
33 • select * from authors;
```

Result Grid

author_id	author_name	author_country
201	Alex	India
202	Christina	America
203	Chan	China
204	Shankar	India

authors 2

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 19	14:28:45	insert into orders values(5,102,'Jacob','01.03.2024')	1 row(s) affected	0.000 sec
✓ 20	14:28:45	insert into orders values(6,103,'Nora','07.04.2024')	1 row(s) affected	0.000 sec
✓ 21	14:29:23	select * from books LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
✓ 22	14:30:00	select * from authors LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

SQLAdditions

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

Object Info Session

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Search

ENG IN

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MySQL Workbench

Local instance MySQL83 - W...

File Edit View Query Database Server Tools Scripting Help

Navigator:

SCHEMAS

Filter objects

mat\_ems

onlinebookstore

Tables

authors

books

orders

Views

Stored Procedures

Functions

sakila

sys

world

Administration Schemas

Information

No object selected

Query 1 SQL File 6 SQL File 4

Limit to 1000 rows

```
22 • insert into authors values(201,'Alex','India');
23 • insert into authors values(202,'Christina','America');
24 • insert into authors values(203,'Chan','China');
25 • insert into authors values(204,'Shankar','India');
26 • insert into orders values(1,101,'Anu','12.01.2024');
27 • insert into orders values(2,103,'Ashok','20.01.2024');
28 • insert into orders values(3,101,'Bindhu','03.02.2024');
29 • insert into orders values(4,104,'Christo','30.02.2024');
30 • insert into orders values(5,102,'Jacob','01.03.2024');
31 • insert into orders values(6,103,'Nora','07.04.2024');
32 • select * from books;
33 • select * from authors;
34 • select * from orders;
```

Result Grid

	order_id	book_id	customer_name	order_date
▶	1	101	Anu	12.01.2024
	2	103	Ashok	20.01.2024
	3	101	Bindhu	03.02.2024
	4	104	Christo	30.02.2024
	5	102	Jacob	01.03.2024
	6	103	Nora	07.04.2024

orders 3 x

Apply Revert

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 20	14:28:45	insert into orders values(6,103,Nora,'07.04.2024')	1 row(s) affected	0.000 sec
✓ 21	14:29:23	select * from books LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
✓ 22	14:30:00	select * from authors LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
✓ 23	14:30:36	select * from orders LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

31°C Mostly sunny

Search

ENG IN

14:30 27-04-2024

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



MySQL Workbench

Local instance MySQL83 - W...

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

- Filter objects
- mat\_ems
- onlinebookstore
  - Tables
    - authors
    - books
    - orders
  - Views
  - Stored Procedures
  - Functions
- sakila
- sys
- world

Administration Schemas

Information

No object selected

Query 1 SQL File 6 SQL File 4

Limit to 1000 rows

```
15 book_id int references books(book_id);
16 -- Execute the selected portion of the script or everything, if there is no selection
17 order_date varchar(10));
18 * insert into books values(101,'Maths',201,340.50,2020);
19 * insert into books values(102,'English',202,250.00,2019);
20 * insert into books values(103,'Science',203,430.00,2022);
21 * insert into books values(104,'Malayalam',204,300.50,2017);
22 * insert into authors values(201,'Alex','India');
23 * insert into authors values(202,'Christina','America');
24 * insert into authors values(203,'Chan','China');
25 * insert into authors values(204,'Shankar','India');
26 * insert into orders values(1,101,'Anu','12.01.2024');
27 * insert into orders values(2,103,'Ashok','20.01.2024');
28 * insert into orders values(3,101,'Bindhu','03.02.2024');
29 * insert into orders values(4,104,'Christo','30.02.2024');
30 * insert into orders values(5,102,'Jacob','01.03.2024');
31 * insert into orders values(6,103,'Nora','07.04.2024');
32 * select * from books;
33 * select * from authors;
34 * select * from orders;
35 * alter table books add genre varchar(10);
36 * alter table orders add quantity int;
```

SQLAdditions

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

Context Help Snippets

Output

#	Time	Action	Message	Duration / Fetch
✓ 22	14:30:00	select * from authors LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
✓ 23	14:30:36	select * from orders LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
✓ 24	14:31:51	alter table books add genre varchar(10)	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.031 sec
✓ 25	14:31:51	alter table orders add quantity int	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.047 sec

Object Info Session

31°C Mostly sunny

Search

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MySQL Workbench

Local instance MySQL83 - W...

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas Filter objects onlinebookstore Tables authors books orders Views Stored Procedures Functions sakila sys world

Query 1 SQL File 6 SQL File 4 Limit to 1000 rows

```
25 • insert into authors values(204,'Shankar','India');
26 • insert into orders values(1,101,'Anu','12.01.2024');
27 • insert into orders values(2,103,'Ashok','20.01.2024');
28 • insert into orders values(3,101,'Bhindu','03.02.2024');
29 • insert into orders values(4,104,'Christo','30.02.2024');
30 • insert into orders values(5,102,'Jacob','01.03.2024');
31 • insert into orders values(6,103,'Nora','07.04.2024');
32 • select * from books;
33 • select * from authors;
34 • select * from orders;
35 • alter table books add genre varchar(10);
36 • alter table orders add quantity int;
37 • select books.book_id,books.title,authors.author_id,authors.author_name,authors.author_country from books left join authors o
```

Result Grid Filter Rows: Export: Wrap Cell Contents

book_id	title	author_id	author_name	author_country
101	Maths	201	Alex	India
102	English	202	Christina	America
103	Science	203	Chan	China
104	Malayalam	204	Shankar	India

Result 4 x Read Only Context Help Snippets

Output Action Output

#	Time	Action	Message	Duration / Fetch
✓ 23	14:30:36	select * from orders LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
✓ 24	14:31:51	alter table books add genre varchar(10)	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.031 sec
✓ 25	14:31:51	alter table orders add quantity int	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.047 sec
✓ 26	14:33:19	select books.book_id,books.title,authors.author_id,authors.author_name,authors.author_country from books left join authors o	4 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

31°C Mostly sunny

Search

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MySQL Workbench

Local instance MySQL83 - W...

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

Filter objects

msl\_ems

onlinebookstore

Tables

authors

books

orders

Views

Stored Procedures

Functions

sakila

sys

world

Query 1 SQL File 6" SQL File 4"

Limit to 1000 rows

```
28 • insert into orders values(3,101,'Bindhu','03.02.2024');
29 • insert into orders values(4,104,'Christo','30.02.2024');
30 • insert into orders values(5,102,'Jacob','01.03.2024');
31 • insert into orders values(6,103,'Nora','07.04.2024');
32 • select * from books;
33 • select * from authors;
34 • select * from orders;
35 • alter table books add genre varchar(10);
36 • alter table orders add quantity int;
37 • select books.book_id,books.title,authors.author_id,authors.author_name,authors.author_country
38 • from books left join authors on books.author_id=authors.author_id;
39 • select orders.order_id,orders.book_id,books.title,orders.customer_name,orders.order_date
40 • from books right join orders on orders.book_id=books.book_id;
```

Result Grid

order_id	book_id	title	customer_name	order_date
1	101	Maths	Anu	12.01.2024
2	103	Science	Ashok	20.01.2024
3	101	Maths	Bindhu	03.02.2024
4	104	Malayalam	Christo	30.02.2024
5	102	English	Jacob	01.03.2024
6	103	Science	Nora	07.04.2024

Result 5 x

Read Only

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 24	14:31:51	alter table books add genre varchar(10)	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.031 sec
✓ 25	14:31:51	alter table orders add quantity int	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.047 sec
✓ 26	14:33:19	select books book_id,books.title,authors.author_id,authors.author_name,authors.author_country from books left...	4 row(s) returned	0.000 sec / 0.000 sec
✓ 27	14:35:33	select orders order_id,orders book_id,books.title,orders.customer_name,orders order_date from books right join...	6 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

31°C Mostly sunny

Search

ENG IN

14:35 27-04-2024