

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

SCHEMAS

Filter objects

acme

insurance

sakila

student

sys

world

Administration

Schemas

No object selected

Object InfoSession

INSURANCE-NEWBOOKDEALER*

Limit to 1000 rows

1 • CREATE DATABASE BOOKDEALER;

2

3 • SHOW DATABASES;

4

5 • USE BOOKDEALER;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Database

acme

bookdealer

information_schema

insurance

mysql

Result 2

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	14:14:49	CREATE DATABASE BOOKDEALER	1 row(s) affected	0.562 sec
✓ 2	14:15:18	SHOW DATABASES	10 row(s) returned	0.000 sec / 0.000 sec
✓ 3	14:15:47	USE BOOKDEALER	0 row(s) affected	0.000 sec
✓ 4	14:16:37	SHOW DATABASES	10 row(s) returned	0.000 sec / 0.000 sec

Local instance MySQL80 ×

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Navigator

SCHEMAS

Filter objects

- acme
- insurance
- sakila
- student
- sys
- world

INSURANCE-NEW

BOOKDEALER* ×



Limit to 1000 rows

```
5 • USE BOOKDEALER;
6
7 • CREATE TABLE AUTHOR(
8     AUTHOR_ID INT,
9     NAME VARCHAR(30),
10    CITY VARCHAR(30),
11    COUNTRY VARCHAR(30),
12    PRIMARY KEY(AUTHOR_ID)
13 );
14
15 • SELECT * FROM AUTHOR;
```

Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:

	AUTHOR_ID	NAME	CITY	COUNTRY
*	NULL	NULL	NULL	NULL

Result Grid

Administration Schemas

Information

No object selected

Object Info Session

AUTHOR 3 ×

Apply

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 3	14:15:47	USE BOOKDEALER	0 row(s) affected	0.000 sec
✓ 4	14:16:37	SHOW DATABASES	10 row(s) returned	0.000 sec / 0.000 sec
✓ 5	14:20:29	CREATE TABLE AUTHOR(AUTHOR_ID INT, NAME VARCHAR(30), CITY VARCH...	0 row(s) affected	1.813 sec
✓ 6	14:20:55	SELECT * FROM AUTHOR LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec

Local instance MySQL80 ×

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Navigator

SCHEMAS

Filter objects

- acme
- insurance
- sakila
- student
- sys
- world

INSURANCE-NEW

BOOKDEALER* ×



Limit to 1000 rows

```
23 );
24
25 • SELECT * FROM PUBLISHER;
26
27 • CREATE TABLE CATEGORY(
28     CATEGORY_ID INT,
29     DESCRIPTION VARCHAR(50),
30     PRIMARY KEY(CATEGORY_ID)
31 );
32
33 • SELECT * FROM CATEGORY;
```

Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:

	CATEGORY_ID	DESCRIPTION
*	NULL	NULL

Result Grid

Administration Schemas

Information

No object selected

CATEGORY 5 ×

Apply

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 7	14:22:29	CREATE TABLE PUBLISHER(PUBLISHER_ID INT, NAME VARCHAR(30), CITY V...	0 row(s) affected	0.547 sec
✓ 8	14:22:50	SELECT * FROM PUBLISHER LIMIT 0, 1000	0 row(s) returned	0.282 sec / 0.000 sec
✓ 9	14:24:21	CREATE TABLE CATEGORY(CATEGORY_ID INT, DESCRIPTION VARCHAR(50), ...	0 row(s) affected	2.391 sec
✓ 10	14:24:38	SELECT * FROM CATEGORY LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

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INSURANCE-NEW

BOOKDEALER*

Limit to 1000 rows

Star icon

Search icon

Filter icon

Refresh icon

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44

45

46

47

48

49

YEAR INT,

PRICE INT,

PUBLISHER_ID INT,

CATEGORY_ID INT,

PRIMARY KEY(BOOK_ID),

FOREIGN KEY(AUTHOR_ID) REFERENCES AUTHOR(AUTHOR_ID) ON DELETE CASCADE,

FOREIGN KEY(PUBLISHER_ID) REFERENCES PUBLISHER(PUBLISHER_ID) ON DELETE CASCADE,

FOREIGN KEY(CATEGORY_ID) REFERENCES CATEGORY(CATEGORY_ID) ON DELETE CASCADE

);

SELECT * FROM CATALOG;

Result Grid

Filter Rows:

Edit

Export/Import

Wrap Cell Content

Result Grid

	BOOK_ID	TITLE	AUTHOR_ID	YEAR	PRICE	PUBLISHER_ID	CATEGORY_ID
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Administration

Schemas

Information

No object selected

Object Info

Session

CATALOG 6

Output

Action Output

#	Time	Action	Message	Duration / Fetch
9	14:24:21	CREATE TABLE CATEGORY(CATEGORY_ID INT, DESCRIPTION VARCHAR(50), ...	0 row(s) affected	2.391 sec
10	14:24:38	SELECT * FROM CATEGORY LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
11	14:30:53	CREATE TABLE CATALOG(BOOK_ID INT, TITLE VARCHAR(30), AUTHOR_ID IN...	0 row(s) affected	2.265 sec
12	14:31:12	SELECT * FROM CATALOG LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec

Local instance MySQL80 x

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SCHEMAS

Filter objects

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- sys
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INSURANCE-NEW

BOOKDEALER* x



Limit to 1000 rows

50

```
51 • CREATE TABLE ORDER_DETAILS(  
52     ORDER_NO INT,  
53     BOOK_ID INT,  
54     QUANTITY INT,  
55     PRIMARY KEY(ORDER_NO),  
56     FOREIGN KEY(BOOK_ID) REFERENCES CATALOG(BOOK_ID)  
57 );
```

58

```
59 • SELECT * FROM ORDER_DETAILS;
```

60



Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:

	ORDER_NO	BOOK_ID	QUANTITY
*	NULL	NULL	NULL



Administration Schemas

Information

No object selected

ORDER_DETAILS 7 x

Apply

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 12	14:31:12	SELECT * FROM CATALOG LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✗ 13	14:34:17	CREATE TABLE ORDER_DETAILS(ORDER_NO INT, BOOK_ID INT, QUANTITY I...	Error Code: 1072. Key column 'ORDER_ID' doesn't exist in table	0.000 sec
✓ 14	14:34:28	CREATE TABLE ORDER_DETAILS(ORDER_NO INT, BOOK_ID INT, QUANTITY I...	0 row(s) affected	1.125 sec
✓ 15	14:34:46	SELECT * FROM ORDER_DETAILS LIMIT 0, 1000	0 row(s) returned	0.063 sec / 0.000 sec

Object Info Session

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INSURANCE-NEW

BOOKDEALER*

Limit to 1000 rows

54

QUANTITY INT,

55

PRIMARY KEY(ORDER_NO),

56

FOREIGN KEY(BOOK_ID) REFERENCES CATALOG(BOOK_ID)

57

);

58

59

• SELECT * FROM ORDER_DETAILS;

60

61

• INSERT INTO AUTHOR(AUTHOR_ID, NAME, CITY, COUNTRY) VALUES (1001,'TERAS CHAN','CA','USA'),(1002,'STEVENS','ZOMBI','UGANDA'),(1003,'M MANO','CAIR','CAN

62

63

• SELECT * FROM AUTHOR;

64

Result Grid

Filter Rows:

Edit

Export/Import

Wrap Cell Content:

	AUTHOR_ID	NAME	CITY	COUNTRY
▶	1001	TERAS CHAN	CA	USA
	1002	STEVENS	ZOMBI	UGANDA
	1003	M MANO	CAIR	CANADA
	1004	KARTHIK BP	NEW YORK	USA
	1005	STRALLINGS	LAS VEGAS	USA

Administration

Schemas

Information

No object selected

AUTHOR 8

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✖ 23	15:24:54	INSERT INTO AUTHOR(AUTHOR_ID, NAME, CITY, COUNTRY) VALUES (1001,TERAS...	Error Code: 1146. Table 'insurance.author' doesn't exist	0.078 sec
✔ 24	15:25:01	USE BOOKDEALER	0 row(s) affected	0.000 sec
✔ 25	15:25:08	INSERT INTO AUTHOR(AUTHOR_ID, NAME, CITY, COUNTRY) VALUES (1001,TERAS...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.219 sec
✔ 26	15:25:19	SELECT * FROM AUTHOR LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

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INSURANCE-NEWBOOKDEALER*

Limit to 1000 rows

57);

58

59SELECT * FROM ORDER_DETAILS;

60

61INSERT INTO AUTHOR(AUTHOR_ID, NAME, CITY, COUNTRY) VALUES (1001,'TERAS CHAN','CA','USA'),(1002,'STEVENS','ZOMBI','UGANDA'),(1003,'M MANO','CAIR','CAN

62

63SELECT * FROM AUTHOR;

64

65INSERT INTO PUBLISHER(PUBLISHER_ID, NAME, CITY, COUNTRY) VALUES (1, 'PEARSON', 'NEW YORK', 'USA'), (2, 'EEE', 'NEW SOUTH_VALES', 'USA'), (3, 'PHI', '

66

67SELECT * FROM PUBLISHER;

Result Grid

Filter Rows:

EditExport/ImportWrap Cell Content

	PUBLISHER_ID	NAME	CITY	COUNTRY
▶	1	PEARSON	NEW YORK	USA
	2	EEE	NEW SOUTH_VALES	USA
	3	PHI	DELHI	INDIA
	4	WILLEY	BERLIN	GERMANY
	5	MGH	NEW_YORK	USA

PUBLISHER 9

No object selected

Object InfoSession

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 25	15:25:08	INSERT INTO AUTHOR(AUTHOR_ID, NAME, CITY, COUNTRY) VALUES (1001,TERAS...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.219 sec
✓ 26	15:25:19	SELECT * FROM AUTHOR LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓ 27	15:28:03	INSERT INTO PUBLISHER(PUBLISHER_ID, NAME, CITY, COUNTRY) VALUES (1, 'PEA...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.110 sec
✓ 28	15:28:18	SELECT * FROM PUBLISHER LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

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world

INSURANCE-NEWBOOKDEALER*

Limit to 1000 rows

66

67 • SELECT * FROM PUBLISHER;

68

69

70 • INSERT INTO CATEGORY(CATEGORY_ID, DESCRIPTION) VALUES (1001, 'COMPUTER_SCIENCE'), (1002, 'ALGORITHM_DESIGN'), (1003, 'ELECTRONICS'), (1004, 'PROGRAMM

71

72 • SELECT * FROM CATEGORY;

73

74 • INSERT INTO CATALOG(PRICE, BOOK_ID, TITLE, AUTHOR_ID, PUBLISHER_ID, CATEGORY_ID, YEAR) VALUES (251, 11, 'Unix_System_Prg', 1001, 1, 1001, 2000), (42

75

76 • SELECT * FROM CATALOG;

Result Grid

Filter Rows:

Edit:Export/Import:Wrap Cell Content:

	BOOK_ID	TITLE	AUTHOR_ID	YEAR	PRICE	PUBLISHER_ID	CATEGORY_ID
▶	11	Unix_System_Prg	1001	2000	251	1	1001
	12	Digital_Signals	1002	2001	425	2	1003
	13	Logic_Design	1003	1999	225	3	1002
	14	Server_Prg	1004	2001	333	4	1004
	15	Linux_OS	1005	2003	326	5	1005
	16	C++ Bible	1005	2000	526	5	1001
	17	COBOL Handbook	1005	2000	658	4	1001
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

CATALOG 11

ApplyRevert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 30	15:29:38	SELECT * FROM CATEGORY LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

AdministrationSchemas

Information

No object selected

Object InfoSession

MySQL Workbench

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SCHEMAS

Filter objects

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- Views
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INSURANCE-NEW

BOOKDEALER*

Limit to 1000 rows

```
71
72 • SELECT * FROM CATEGORY;
73
74 • INSERT INTO CATALOG(PRICE, BOOK_ID, TITLE, AUTHOR_ID, PUBLISHER_ID, CATEGORY_ID, YEAR) VALUES (251, 11, 'Unix_System_Prg', 1001, 1, 1001, 2000), (42
75
76 • SELECT * FROM CATALOG;
77
78 • INSERT INTO ORDER_DETAILS(ORDER_NO, BOOK_ID, QUANTITY) VALUES (1, 11, 5), (2, 12, 8), (3, 13, 15), (4, 14, 22), (5, 15, 3), (12, 17, 10);
79
80 • SELECT * FROM ORDER_DETAILS;
```

Result Grid

Filter Rows:

Edit: Export/Import: Wrap Cell Content:

	ORDER_NO	BOOK_ID	QUANTITY
▶	1	11	5
	2	12	8
	3	13	15
	4	14	22
	5	15	3
	12	17	10
*	NULL	NULL	NULL

ORDER_DETAILS 12

Apply Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✖ 34	15:34:18	INSERT INTO ORDER_DETAILS(ORDER_NO, BOOK_ID, QUANTITY) VALUES (1, 11, ...	Error Code: 1062. Duplicate entry '2' for key 'order_details.PRIMARY'	0.156 sec
✔ 35	15:36:26	INSERT INTO ORDER_DETAILS(ORDER_NO, BOOK_ID, QUANTITY) VALUES (1, 11, ...	6 row(s) affected Records: 6 Duplicates: 0 Warnings: 0	0.157 sec
✔ 36	15:36:47	SELECT * FROM ORDER_DETAILS LIMIT 0, 1000	6 row(s) returned	0.047 sec / 0.000 sec

Administration

Schemas

Information

No object selected

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INSURANCE-NEWBOOKDEALER

Limit to 1000 rows

```
78 • INSERT INTO ORDER_DETAILS(ORDER_NO, BOOK_ID, QUANTITY) VALUES (1, 11, 5), (2, 12, 8), (3, 13, 15), (4, 14, 22), (5, 15, 3), (12, 17, 10);
79
80 • SELECT * FROM ORDER_DETAILS;
81
82 -- DETAILS OF AUTHOR HAVING ATLEAST 2 BOOKS AND YEAR OF PUB AFTER 2000.
83
84 • SELECT * FROM AUTHOR WHERE AUTHOR_ID IN(
85   SELECT AUTHOR_ID FROM CATALOG WHERE YEAR >= 2000 GROUP BY AUTHOR_ID HAVING COUNT(AUTHOR_ID) >=2 );
86
87
88
```

Result Grid

Filter Rows:

EditExport/ImportWrap Cell Content

	AUTHOR_ID	NAME	CITY	COUNTRY
▶	1005	STRALLINGS	LAS VEGAS	USA
★	NULL	NULL	NULL	NULL

AdministrationSchemas

Information

No object selected

Object InfoSession

AUTHOR 18

ApplyRevert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 42	16:07:12	SELECT * FROM AUTHOR WHERE AUTHOR_ID IN(SELECT AUTHOR_ID FROM CAT...	1 row(s) returned	0.000 sec / 0.000 sec
✓ 43	16:07:26	SELECT * FROM AUTHOR WHERE AUTHOR_ID IN(SELECT AUTHOR_ID FROM CAT...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 44	16:09:32	SELECT * FROM AUTHOR WHERE AUTHOR_ID IN(SELECT AUTHOR_ID FROM CAT...	1 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

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Navigator

SCHEMAS

Filter objects

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INSURANCE-NEWBOOKDEALER*

Limit to 1000 rows

81
82 -- DETAILS OF AUTHOR HAVING ATLEAST 2 BOOKS AND YEAR OF PUB AFTER 2000.
83
84 SELECT * FROM AUTHOR WHERE AUTHOR_ID IN(
85 SELECT AUTHOR_ID FROM CATALOG WHERE YEAR >= 2000 GROUP BY AUTHOR_ID HAVING COUNT(AUTHOR_ID) >=2);
86
87 -- AUTHOR OF BOOKS WITH MAX SALES
88
89 SELECT A.NAME FROM AUTHOR A,CATALOG C,ORDER_DETAILS O WHERE A.AUTHOR_ID=C.AUTHOR_ID AND C.BOOK_ID=O.BOOK_ID AND O.QUANTITY=(SELECT MAX(QUANTITY) FROM
90
91

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

NAME

KARTHIK BP

AdministrationSchemas

Information

No object selected

Result 19

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
44	16:09:32	SELECT * FROM AUTHOR WHERE AUTHOR_ID IN(SELECT AUTHOR_ID FROM CAT...	1 row(s) returned	0.000 sec / 0.000 sec
45	16:11:43	SELECT A.ANAME FROM AUTHOR A,CATALOG C,ORDER_DETAILS O WHERE A.AU...	Error Code: 1054. Unknown column 'A.ANAME' in 'field list'	0.000 sec
46	16:12:03	SELECT A.NAME FROM AUTHOR A,CATALOG C,ORDER_DETAILS O WHERE A.AUT...	1 row(s) returned	0.000 sec / 0.000 sec

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help



Navigator

SCHEMAS

Filter objects

- acme
- insurance
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- student
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- world

INSURANCE-NEW

BOOKDEALER x

Limit to 1000 rows

```
90
91
92  -- INCREASE PRICE OF THE BOOK WITH SPECIFIED PUBLISHER BY 10%
93
94  • UPDATE CATALOG SET PRICE=(PRICE+PRICE*0.1) WHERE PUBLISHER_ID=5;
95
96  • SELECT * FROM CATALOG;
97
98
99
```

Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:

	BOOK_ID	TITLE	AUTHOR_ID	YEAR	PRICE	PUBLISHER_ID	CATEGORY_ID
▶	11	Unix_System_Prg	1001	2000	251	1	1001
	12	Digital_Signals	1002	2001	425	2	1003
	13	Logic_Design	1003	1999	225	3	1002
	14	Server_Prg	1004	2001	333	4	1004
	15	Linux_OS	1005	2003	359	5	1005
	16	C++ Bible	1005	2000	579	5	1001
	17	COBOL Handbook	1005	2000	658	4	1001

CATALOG 21 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 48	16:20:18	SELECT * FROM CATALOG LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
✓ 49	16:21:08	UPDATE CATALOG SET PRICE=(PRICE+PRICE*0.1) WHERE PUBLISHER_ID=5	2 row(s) affected Rows matched: 2 Changed: 2 Warnings: 0	0.125 sec
✓ 50	16:21:11	SELECT * FROM CATALOG LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec

Administration Schemas

Information

No object selected

Object Info Session

Result Grid

Form Editor

Apply