

MySQL Workbench

Local Server x

File Edit View Query Database Server Tools Scripting Help

Navigator insurance* book_dealer*

SCHEMAS

Filter objects

book_dealer

- Tables
 - author
 - catalog
 - category
 - order_details
 - publisher
- Views
- Stored Procedures
- Functions

insurance

sys

Administration

Information

No object selected

Limit to 1000 rows

```
1 • create database book_dealer;
2 • use book_dealer;
3 • create table author(author_id int,name varchar(15),city varchar(15),country varchar(15),primary key(author_id));
4 • create table publisher(publisher_id int,name varchar(15),city varchar(15),country varchar(15),primary key(publisher_id));
5 • create table category(category_id int,description varchar(15),primary key(category_id));
6 • create table catalog(book_id int,title varchar(15),author_id int,publisher_id int,category_id int,year int,price int,primary key(book_id),
7   foreign key(author_id)references author(author_id) on delete cascade,
8   foreign key(publisher_id)references publisher(publisher_id) on delete cascade,
9   foreign key(category_id)references category(category_id) on delete cascade);
10 • create table order_details(order_no int,book_id int,quantity int,primary key(order_no),
11   foreign key(book_id)references catalog(book_id) on delete cascade);
12 • insert into author values('1001','TERAS CHAIN','CA','USA');
13 • insert into author values('1002','STEVENS','ZOMBI','UGANDA');
14 • insert into author values('1003','M MANO','CAIR','CANADA');
15 • insert into author values('1004','KARTHIK B.P.','NEW YORK','USA');
16 • insert into author values('1005','WILLIAM','LAS VEGAS','USA');
17 • commit;
18 • select*from author;
19 • insert into publisher values('101','PEARSON','NEW YORK','USA');
20 • insert into publisher values('102','EEE','NEW SOUTHVALES','USA');
21 • insert into publisher values('103','PHI','DELHI','INDIA');
22 • insert into publisher values('104','WILLEY','BERLIN','GERMANY');
23 • insert into publisher values('105','MGH','NEW YORK','USA');
24 • commit;
25 • select*from publisher;
26 • insert into category values('1011','CSE');
27 • insert into category values('1022','ADA');
28 • insert into category values('1033','ELECTRONICS');
29 • insert into category values('1044','PROGRAMMING');
```

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Navigator: insurance* book_dealer*

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sys

Limit to 1000 rows

```
28 • insert into category values('1033','ELECTRONICS');
29 • insert into category values('1044','PROGRAMMING');
30 • insert into category values('1055','OS');
31 • commit;
32 • select*from category;
33 • insert into catalog values('11','UNIX SYSTEM','1001','101','1011','1998','235');
34 • insert into catalog values('12','DIG ANALYSIS','1001','102','1033','1997','255');
35 • insert into catalog values('13','LOGIC DESIGN','1002','103','1022','2001','352');
36 • insert into catalog values('14','SERVER','1002','103','1011','2002','523');
37 • insert into catalog values('15','LINUX OS','1003','104','1044','2003','124');
38 • commit;
39 • select*from catalog;
40 • insert into order_details values('1','11','12');
41 • insert into order_details values('1','12','2');
42 • insert into order_details values('2','12','15');
43 • insert into order_details values('3','13','22');
44 • insert into order_details values('4','13','14');
45 • insert into order_details values('5','15','7');
46 • commit;
47 • select*from order_detail;
48
49 • select a.author_id,a.name,a.city,a.country,c.price,year from author a join catalog c on a.author_id=c.author_id where c.year>=2000 group by a.author_id having count(c.author_id)>=2 ;
50
51 • select name from author a where a.author_id=(
52   select c.author_id from catalog c where book_id=(select book_id from order_details od where quantity=(select max(quantity) from order_details having max(quantity))) ;
53
54 • update catalog set price=1.1*price where publisher_id=(select publisher_id from publisher where name='PEARSON');
55 • select*from catalog;
56
```

Administration

Information

No object selected



SCHEMAS

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insurance*

book_dealer*



Limit to 1000 rows

```
16 • insert into author values('1005','WILLIAM','LAS VEGAS','USA');
17 • commit;
18 • select*from author;
19 • insert into publisher values('101','PEARSON','NEW YORK','USA');
20 • insert into publisher values('102','EEE','NEW SOUTHVALES','USA');
```

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

author_id	name	city	country
1001	TERAS CHAIN	CA	USA
1002	STEVENS	ZOMBI	UGANDA
1003	M MANO	CAIR	CANADA
1004	KARTHIK B.P.	NEW YORK	USA
1005	WILLIAM	LAS VEGAS	USA
NULL	NULL	NULL	NULL



SCHEMAS

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- publisher

Views

Stored Procedures

Functions

insurance

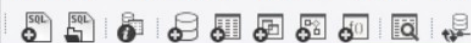
sys



```
22 • insert into publisher values('104','WILLEY','BERLIN','GERMANY');
23 • insert into publisher values('105','MGH','NEW YORK','USA');
24 • commit;
25 • select*from publisher;
26 • insert into category values('1011','CSE');
```

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

	publisher_id	name	city	country
▶	101	PEARSON	NEW YORK	USA
	102	EEE	NEW SOUTHVALES	USA
	103	PHI	DELHI	INDIA
	104	WILLEY	BERLIN	GERMANY
	105	MGH	NEW YORK	USA
*	NULL	NULL	NULL	NULL



SCHEMAS

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31 • commit;
32 • select*from category;
33 • insert into catalog values('11','UNIX SYSTEM','1001','101','1011','1998','235');
34 • insert into catalog values('12','DIG ANALYSIS','1001','102','1033','1997','255');
35 • insert into catalog values('13','LOGIC DESIGN','1002','103','1022','2001','352');
```

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

category_id	description
1011	CSE
1022	ADA
1033	ELECTRONICS
1044	PROGRAMMING
1055	OS
* NULL	NULL



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insurance*

book_dealer*



```
46 • commit;
47 • select*from order_details;
48
49 • select a.author_id,a.name,a.city,a.country,c.price,year from author a join catalog c on a.author_id=c.author_id where c.year>=2000 group by a.author_id having count(c.author_id) > 1;
50
```

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

	order_no	book_id	quantity
▶	1	11	12
	2	12	15
	3	13	22
	4	13	14
	5	15	7
*	NULL	NULL	NULL

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```
25 • select*from publisher;
26 • insert into category values('1011','CSE');
27 • insert into category values('1022','ADA');
28 • insert into category values('1033','ELECTRONICS');
29 • insert into category values('1044','PROGRAMMING');
30 • insert into category values('1055','OS');
31 • commit;
32 • select*from category;
33 • insert into catalog values('11','UNIX SYSTEM','1001','101','1011','1998','235');
34 • insert into catalog values('12','DIG ANALYSIS','1001','102','1033','1997','255');
35 • insert into catalog values('13','LOGIC DESIGN','1002','103','1022','2001','352');
36 • insert into catalog values('14','SERVER','1002','103','1011','2002','523');
37 • insert into catalog values('15','LINUX OS','1003','104','1044','2003','124');
38 • commit;
39 • select*from catalog;
40 • insert into order_details values('1','11','12');
41 • insert into order_details values('1','12','2');
42 • insert into order_details values('2','12','15');
```

Result Grid

Filter Rows:

Edit: Export/Import: Wrap Cell Content:

book_id	title	author_id	publisher_id	category_id	year	price
11	UNIX SYSTEM	1001	101	1011	1998	235
12	DIG ANALYSIS	1001	102	1033	1997	255
13	LOGIC DESIGN	1002	103	1022	2001	352
14	SERVER	1002	103	1011	2002	523
15	LINUX OS	1003	104	1044	2003	124
* NULL	NULL	NULL	NULL	NULL	NULL	NULL

catalog 5 x

Apply Revert

Result Grid

Form Editor

Field Types

No object selected

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Local Server x

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Navigator: insurance* book_dealer* x

Limit to 1000 rows

```
43 • insert into order_details values('3','13','22');
44 • insert into order_details values('4','13','14');
45 • insert into order_details values('5','15','7');
46 • commit;
47 • select*from order_detail;
48
49 • update catalog set price=1.1*price where publisher_id=(select publisher_id from publisher where name='PEARSON');
50 • select*from catalog;
51
52
```

Result Grid

	book_id	title	author_id	publisher_id	category_id	year	price
▶	11	UNIX SYSTEM	1001	101	1011	1998	259
	12	DIG ANALYSIS	1001	102	1033	1997	255
	13	LOGIC DESIGN	1002	103	1022	2001	352
	14	SERVER	1002	103	1011	2002	523
	15	LINUX OS	1003	104	1044	2003	124
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL

catalog 7 x

Apply Revert

Result Grid Form Editor



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Limit to 1000 rows

```
47 • select*from order_detail;
48
49 • select name from author a where a.author_id=(
50   select c.author_id from catalog c where book_id=(select book_id from order_details od where quantity=(select max(quantity) from order_details having max(quantity)))) ;
51
```

Result Grid Filter Rows: Export: Wrap Cell Content:

name
STEVENS

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```
46 • commit;
47 • select*from order_detail;
48
49 • select a.author_id,a.name,a.city,a.country,c.price,year from author a join catalog c on a.author_id=c.author_id where c.year>=2000 group by a.author_id having count(c.author_id)>=2 ;
50
51 • select name from author a where a.author_id=(
```

Limit to 1000 rows

Result Grid

Filter Rows: Export: Wrap Cell Content:

	author_id	name	city	country	price	year
▶	1002	STEVENS	ZOMBI	UGANDA	352	2001

Result 10 x

Administration

Read Only