

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- banking_enterprise
- book
- insurance
- orderprocessing
- sys

Administration Schemas

Information

No object selected

Object Info Session

Query Completed

DBMS-LAB2-BOOK DEALER DBMS-LAB3-ORDER PROCES... DBMS-LAB1-INSURANCE.sql DBMS-LAB4-BANKING ENTER... SQL File 6 x

Limit to 1000 rows

```
12
13 • insert into student(regno,name,major,bdate) values
14 ("cs01","ram","ds","1986-03-12'),
15 ("is02","smith","usp","1987-12-23'),
16 ("ec03","ahmed","sns","1985-04-17'),
17 ("cs03","sneha","dbms","1987-01-01'),
18 ("tc05","akhila","ec","1986-10-06');
19 • select * from student;
20
```

Result Grid

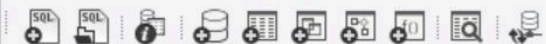
	regno	name	major	bdate
▶	cs01	ram	ds	1986-03-12
	cs03	sneha	dbms	1987-01-01
	ec03	ahmed	sns	1985-04-17
	is02	smith	usp	1987-12-23
	tc05	akhila	ec	1986-10-06
*	NULL	NULL	NULL	NULL

student 20 x

Apply Revert

Output

Windows Taskbar: Search for anything, 17:05, 26-05-2021



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- banking_enterprise
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No object selected



```
21 • insert into course(course_no,cname,dept) values
22   (1 Execute the selected portion of the script or everything, if there is no selection
23   (22,"usp","is"),
24   (33,"sns","ec"),
25   (44,"dbms","cs"),
26   (55,"ec","tc");
27 • select * from course;
28
29 • insert into enroll(regno,course_no,sem,marks) values
```

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

	course_no	cname	dept
▶	11	ds	cs
	22	usp	is
	33	sns	ec
	44	dbms	cs
	55	ec	tc
*	NULL	NULL	NULL

course 21 x

Output

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Limit to 1000 rows

```
28
29 • ins Execute the selected portion of the script or everything, if there is no selection
30 ("cs01",11,4,85),
31 ("is02",22,6,80),
32 ("ec03",33,2,80),
33 ("cs03",44,6,75),
34 ("tc05",55,2,80);
35 • select * from enroll;
36
```

Result Grid

	regno	course_no	sem	marks
▶	cs01	11	4	85
	is02	22	6	80
	ec03	33	2	80
	cs03	44	6	75
	tc05	55	2	80

enroll 22 x

Read Only

Output

Query Completed

Search for anything

17:06 26-05-2021

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

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- sys

Administration Schemas

Information

No object selected

Object Info Session

DBMS-LAB2-BOOK DEALER DBMS-LAB3-ORDER PROCES... DBMS-LAB1-INSURANCE.sql DBMS-LAB4-BANKING ENTER... SQL File 6* x

Limit to 1000 rows

```
37 • insert into text(book_isbn,book_title,publisher,author) values
38 (1,"ds and c","princeton","padma");
39 (2,"fundamentals of ds","princeton","godse"),
40 (3,"fundamentals of dbms","princeton","navathe"),
41 (4,"sql","princeton","foley"),
42 (5,"electronic circuits","tmh","elmarsi"),
43 (6,"adv unix program","tmh","stevens");
44 • select * from text;
45
```

Result Grid

	book_isbn	book_title	publisher	author
▶	1	ds and c	princeton	padma
	2	fundamentals of ds	princeton	godse
	3	fundamentals of dbms	princeton	navathe
	4	sql	princeton	foley
	5	electronic circuits	tmh	elmarsi
	6	adv unix program	tmh	stevens
	7	database basics	princeton	shawn
*	NULL	NULL	NULL	NULL

text 23 x

Output

Query Completed

Search for anything

17:06 26-05-2021

MySQL Workbench

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Navigator

SCHEMAS

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Administration Schemas

Information

No object selected

Object Info Session

DBMS-LAB2-BOOK DEALER DBMS-LAB3-ORDER PROCES... DBMS-LAB1-INSURANCE.sql DBMS-LAB4-BANKING ENTER... SQL File 6* x

Limit to 1000 rows

```
43 (6,"adv unix program","tmh","stevens");
44 • se Execute the selected portion of the script or everything, if there is no selection
45
46 • insert into book_adoption(course_no,sem,book_isbn) values
47 (11,4,1),(11,4,2),(44,6,3),(44,6,4),(55,2,5),(22,6,6);
48 • select * from book_adoption;
49
50 -- Demonstrate how you add a new text book to the database and make this book be adopted by some department.
51 • insert into text values(7,"database basics","princeton","shawn");
```

Result Grid

	course_no	sem	book_isbn
▶	11	4	1
	11	4	2
	44	6	3
	44	6	4
	55	2	5
	22	6	6
	11	4	7

book_adoption 24 x

Output

Query Completed

Search for anything

17:06 26-05-2021



SCHEMAS

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Administration Schemas

Information

No object selected

DBMS-LAB2-BOOK DEALER

DBMS-LAB3-ORDER PROCES...

DBMS-LAB1-INSURANCE.sql

DBMS-LAB4-BANKING ENTER...

SQL File 6* x

Limit to 1000 rows

```
52 • insert into book_adoption values(11,4,7);
53
54 -- Produce a list of text books (include Course #, Book-ISBN, Book-title) in the alphabetical order
55 -- for courses offered by the 'CS' department that use more than two books.
56 • select c.course_no,t.book_isbn,t.book_title from course c, text t,book_adoption b
57 where t.book_isbn=b.book_isbn and b.course_no=c.course_no and c.dept="cs" and
58 (select count(b.book_isbn) from book_adoption b where c.course_no=b.course_no)>2 order by t.book_title;
59
```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	course_no	book_isbn	book_title
▶	11	7	database basics
	11	1	ds and c
	11	2	fundamentals of ds

Result 25 x

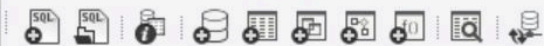
Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
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Query Completed



SCHEMAS

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- banking_enterprise
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- sys

Administration Schemas

Information

No object selected

Object Info Session

Query Completed

Search for anything

DBMS-LAB2-BOOK DEALER

DBMS-LAB3-ORDER PROCES...

DBMS-LAB1-INSURANCE.sql

DBMS-LAB4-BANKING ENTER...

SQL File 6* x

Limit to 1000 rows

```
59 Execute the selected portion of the script or everything, if there is no selection
60 List any department that has all its adopted books published by a specific publisher.
61 select distinct c.dept from course c where c.dept in (select c.dept
62 from course c,book_adoption b, text t where c.course_no=b.course_no
63 and t.book_isbn=b.book_isbn and t.publisher="tmh")
64 and c.dept not in (select c.dept
65 from course c,book_adoption b,text t where c.course_no=b.course_no
66 and t.book_isbn=b.book_isbn and t.publisher!="tmh") ;
```

Result Grid

	dept
▶	is
	tc

Filter Rows:

Export:

Wrap Cell Content:

Result Grid

Form Editor

Field Types

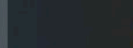
course 26 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
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17:08
26-05-2021

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

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Administration Schemas Information

No object selected

DBMS-LAB2-BOOK DEALER DBMS-LAB3-ORDER PROCES... DBMS-LAB1-INSURANCE.sql DBMS-LAB4-BANKING ENTER... SQL File 6* x

Limit to 1000 rows

```
50 -- Demonstrate how you add a new text book to the database and make this book be adopted by some department.
51 insert into text values(7,"database basics","princeton","shawn");
52 insert into book_adoption values(11,4,7);
53
54 -- Produce a list of text books (include Course #, Book-ISBN, Book-title) in the alphabetical order
55 -- for courses offered by the 'CS' department that use more than two books.
56 select c.course_no,t.book_isbn,t.book_title from course c, text t,book_adoption b
57 where t.book_isbn=b.book_isbn and b.course_no=c.course_no and c.dept="cs" and
58 (select count(b.book_isbn) from book_adoption b where c.course_no=b.course_no)>2 order by t.book_title;
59
60 -- List any department that has all its adopted books published by a specific publisher.
61 select distinct c.dept from course c where c.dept in (select c.dept
```

Result Grid

course_no	sem	book_isbn
44	6	3
44	6	4
55	2	5
22	6	6
11	4	7

book_adoption 27 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
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Query Completed

Object Info Session

Search for anything

17:09 26-05-2021