

MySQL Workbench

Local Server x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- banking
- book_dealer
- details
- faculty_login
- insurance
- order_processing
- student_enrol
 - Tables
 - book_adoption
 - course
 - enroll
 - student
 - text
 - Views
 - Stored Procedures
 - Functions
- sys

Administration Schemas

Information

No object selected

Student_enrollment x insurance

Limit to 1000 rows

```
1 • create database student_enrol;
2 • use student_enrol;
3 • create table student(regno varchar(20),name VARCHAR(50),major varchar(20),bdate date,primary key (regno));
4 • create table course(courseno int,cname varchar(20),dept VARCHAR(20),primary key(courseno));
5 • create table enroll(regno varchar(20),courseno int,sem int,marks int,primary key(regno,courseno),foreign key(regno) references student(regno),
6 • foreign key(courseno) references course(courseno));
7 • create table text(book_isbn int,book_title varchar(50),publisher varchar(50),author varchar(50),primary key(book_isbn));
8 • create table book_adoption(courseno int,sem int,book_isbn int,primary key(courseno,book_isbn),foreign key(courseno) references course(courseno),
9 • foreign key(book_isbn) references text(book_isbn));
10 • insert into student values('CS01','RAM','DS','1986-03-12');
11 • insert into student values('IS02','SMITH','USP','1987-12-23');
12 • insert into student values('EC03','AHMED','SNS','1985-04-17');
13 • insert into student values('CS03','SNEHA','DBMS','1987-01-01');
14 • insert into student values('TC05','AKHILA','EC','1986-10-06');
15 • commit;
16 • select*from student;
17 • insert into course values('11','DS','CS');
18 • insert into course values('22','USP','IS');
19 • insert into course values('33','SNS','EC');
20 • insert into course values('44','DBMS','CS');
21 • insert into course values('55','EC','TC');
22 • commit;
23 • select*from course;
24 • insert into enroll values('CS01','11','4','85');
25 • insert into enroll values('IS02','22','6','80');
26 • insert into enroll values('EC03','33','2','80');
27 • insert into enroll values('CS03','44','6','75');
28 • insert into enroll values('TC05','55','2','56');
29 • commit;
```

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Administration Schemas

Information

No object selected






Student_enrollment x insurance

Limit to 1000 rows

```
30 • select*from enroll;
31 • insert into text values('1','DS AND C REDDY','PRINCETON','PADMA');
32 • insert into text values('2','FUNDAMENTALS OF DS','PRINCETON','GODSE');
33 • insert into text values('3','FUNDAMENTALS OF DBMS','PRINCETON','NAVATHE');
34 • insert into text values('4','SQL','PRINCETON','FOLEY');
35 • insert into text values('5','ELECTRONICS CIRCUITS','TMH','ELMASRI');
36 • insert into text values('6','ADV UNIX PROG','TMH','STEVENS');
37 • commit;
38 • select*from text;
39 • insert into book_adoption values('11','4','1');
40 • insert into book_adoption values('11','4','2');
41 • insert into book_adoption values('44','6','3');
42 • insert into book_adoption values('44','6','4');
43 • insert into book_adoption values('55','2','5');
44 • insert into book_adoption values('22','6','6');
45 • commit;
46 • select*from book_adoption;
47
48 • insert into text values('7','C PROGRAMMING','TMH','THAREJA');
49 • insert into book_adoption values('55','2','7');
50 • insert into book_adoption values(11,4,3);
51
52 • select c.courseno,t.book_isbn,t.book_title from course c,book_adoption ba,text t where c.courseno=ba.courseno and ba.book_isbn=t.book_isbn and c.dept='CS'
53 and 2<(select count(book_isbn) from book_adoption b where c.courseno=b.courseno) order by t.book_title;
54
55 • select distinct c.dept from course c where c.dept in(select c.dept from course c,book_adoption b,text t where c.courseno=b.courseno
56 and t.book_isbn=b.book_isbn and t.publisher='PRINCETON')
57 and c.dept not in(Select c.dept from course c,book_adoption b,text t where c.courseno=b.courseno and t.book_isbn=b.book_isbn and t.publisher !='PRINCETON');
58
```


 Limit to 1000 rows ▾


```
12 • insert into student values('EC03','AHMED','SNS','1985-04-17');
13 • insert into student values('CS03','SNEHA','DBMS','1987-01-01');
14 • insert into student values('TC05','AKHILA','EC','1986-10-06');
15 • commit;
16 • select*from student;
17 • insert into course values('11','DS','CS');
18 • insert into course values('22','USP','IS');
19 • insert into course values('33','SNS','EC');
20 • insert into course values('44','DBMS','CS');
```

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

	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

Local Server x

File Edit View Query Database Server Tools Scripting Help

Navigator: Student_enrollment* x insurance

Filter objects

banking
book_dealer
details
faculty_login
insurance
order_processing
student_enroll
▼ Tables
 book_adoption
 course
 enroll
 student
 text
Views
Stored Procedures
Functions
sys

18 • insert into course values('22','USP','IS');
19 • insert into course values('33','SNS','EC');
20 • insert into course values('44','DBMS','CS');
21 • insert into course values('55','EC','TC');
22 • commit;
23 • select*from course;
24 • insert into enroll values('CS01','11','4','85');
25 • insert into enroll values('IS02','22','6','80');
26 • insert into enroll values('EC03','33','2','80');

Limit to 1000 rows

Result Grid

	courseno	cname	dept
▶	11	DS	CS
	22	USP	IS
	33	SNS	EC
	44	DBMS	CS
	55	EC	TC
*	NULL	NULL	NULL

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



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```
27 • insert into enroll values('CS03','44','6','75');
28 • insert into enroll values('TC05','55','2','56');
29 • commit;
30 • select*from enroll;
31 • insert into text values('1','DS AND C REDDY','PRINCETON','PADMA');
32 • insert into text values('2','FUNDAMENTALS OF DS','PRINCETON','GODSE');
33 • insert into text values('3','FUNDAMENTALS OF DBMS','PRINCETON','NAVATHE');
34 • insert into text values('4','SQL','PRINCETON','FOLEY');
35 • insert into text values('5','ELECTRONICS CIRCUITS','TMH','ELMASRI');
```

	regno	courseno	sem	marks
▶	CS01	11	4	85
	CS03	44	6	75
	EC03	33	2	80
	IS02	22	6	80
	TC05	55	2	56
*	NULL	NULL	NULL	NULL

Local Server x

File Edit View Query Database Server Tools Scripting Help

Navigator: Student_enrollment x insurance

Limit to 1000 rows

32 • insert into text values('2','FUNDAMENTALS OF DS','PRINCETON','GODSE');
33 • insert into text values('3','FUNDAMENTALS OF DBMS','PRINCETON','NAVATHE');
34 • insert into text values('4','SQL','PRINCETON','FOLEY');
35 • insert into text values('5','ELECTRONICS CIRCUITS','TMH','ELMASRI');
36 • insert into text values('6','ADV UNIX PROG','TMH','STEVENS');
37 • commit;
38 • select*from text;
39 • insert into book_adoption values('11','4','1');
40 • insert into book adoption values('11','4','2');

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

	book_isbn	book_title	publisher	author
▶ 1		DS AND C REDDY	PRINCETON	PADMA
2		FUNDAMENTALS OF DS	PRINCETON	GODSE
3		FUNDAMENTALS OF DBMS	PRINCETON	NAVATHE
4		SQL	PRINCETON	FOLEY
5		ELECTRONICS CIRCUITS	TMH	ELMASRI
6		ADV UNIX PROG	TMH	STEVENS
7		C PROGRAMMING	TMH	THAREJA
*	NULL	NULL	NULL	NULL

Administration Schemas



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Limit to 1000 rows

```
39 • insert into book_adoption values('11','4','1');
40 • insert into book_adoption values('11','4','2');
41 • insert into book_adoption values('44','6','3');
42 • insert into book_adoption values('44','6','4');
43 • insert into book_adoption values('55','2','5');
44 • insert into book_adoption values('22','6','6');
45 • commit;
46 • select*from book_adoption;
47
```

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

	courseno	sem	book_isbn
▶	11	4	1
	11	4	2
	11	4	3
	22	6	6
	44	6	3
	44	6	4
	55	2	5
	55	2	7
*	NULL	NULL	NULL

Local Server x

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Navigator: Student_enrollment x

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- Views
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- sys

49 • insert into book_adoption values('55','2','7');
50 • insert into book_adoption values(11,4,3);
51
52 • select c.courseno,t.book_isbn,t.book_title from course c,book_adoption ba,text t where c.courseno=ba.courseno and ba.book_isbn=t.book_isbn and c.dept='CS'
53 and 2<(select count(book_isbn) from book_adoption b where c.courseno=b.courseno) order by t.book_title;
54
55 • select distinct c.dept from course c where c.dept in(select c.dept from course c,book_adoption b,text t where c.courseno=b.courseno
56 and t.book_isbn=b.book_isbn and t.publisher='PRINCETON')
57 and c.dept not in(select c.dept from course c,book adoption b,text t where c.courseno=b.courseno and t.book isbn=b.book isbn and t.publisher !='PRINCETON');

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	courseno	book_isbn	book_title
▶	11	1	DS AND C REDDY
	11	3	FUNDAMENTALS OF DBMS
	11	2	FUNDAMENTALS OF DS

Local Server x

File Edit View Query Database Server Tools Scripting Help

Navigator: Student_enrollment*

SCHEMAS

Filter objects

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- book_dealer
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- faculty_login
- insurance
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- student_enrol
 - Tables
 - book_adoption
 - course
 - enroll
 - student
 - text
 - Views
 - Stored Procedures
 - Functions
- sys

50 • insert into book_adoption values(11,4,3);

51

52 • select c.courseno,t.book_isbn,t.book_title from course c,book_adoption ba,text t where c.courseno=ba.courseno and ba.book_isbn=t.book_isbn and c.dept='CS'

53 and 2<(select count(book_isbn) from book_adoption b where c.courseno=b.courseno) order by t.book_title;

54

55 • select distinct c.dept from course c where c.dept in(select c.dept from course c,book_adoption b,text t where c.courseno=b.courseno

56 and t.book_isbn=b.book_isbn and t.publisher='PRINCETON')

57 and c.dept not in(Select c.dept from course c,book_adoption b,text t where c.courseno=b.courseno and t.book_isbn=b.book_isbn and t.publisher !='PRINCETON');

58

Result Grid

dept
CS