

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help



Navigator

SCHEMAS

Filter objects

- acme
- banking_enterprise
- bookdealer
- insurance
- onlineprojectsubmissionportal
- order_processing
- order_processing1
- sakila
- senrollment**
 - Tables
 - Views
 - Stored Procedures
 - Functions
- student
- sys
- world

Administration Schemas

Information

No object selected

Object Info Session

SENROLLMENT x

Limit to 1000 rows

```
46
47 • INSERT INTO STUDENT(REG_NO, SNAME, MAJOR, BDATE) VALUES ('CS01', 'RAM', 'DS', '1986-03-12'),
48                                     ('IS02', 'SMITH', 'USP', '1987-12-23'),
49                                     ('EC03', 'AHMED', 'SNS', '1985-04-17'),
50                                     ('CS03', 'SNEHA', 'DBMS', '1987-01-01'),
51                                     ('TC05', 'AKHILA', 'EC', '1986-10-06');
52 • SELECT * FROM STUDENT;
```

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

	REG_NO	SNAME	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

Result Grid

Form Editor

STUDENT 1 x

Apply

Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	14:38:54	USE SENROLLMENT	0 row(s) affected	0.015 sec
✓ 2	14:40:41	SELECT * FROM STUDENT LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

SCHEMAS

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sys

world

SENROLLMENT

Limit to 1000 rows

53

54

55

56

57

58

59

INSERT INTO COURSE(COURSE_ID, CNAME, DEPT) VALUES (11, 'DS', 'CS'),

(22, 'USP', 'IS'),

(33, 'SNS', 'EC'),

(44, 'DBMS', 'CS'),

(55, 'EC', 'TC');

SELECT * FROM COURSE;

Result Grid

Filter Rows:

Edit

Export/Import

Wrap Cell Content

	COURSE_ID	CNAME	DEPT
▶	11	DS	CS
	22	USP	IS
	33	SNS	EC
	44	DBMS	CS
	55	EC	TC
*	NULL	NULL	NULL

Result Grid

Form Editor

Administration

Schemas

Information

No object selected

Object Info

Session

COURSE 2

Apply

Revert

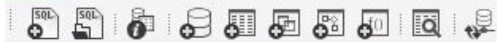
Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	14:38:54	USE SENROLLMENT	0 row(s) affected	0.015 sec
✓ 2	14:40:41	SELECT * FROM STUDENT LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓ 3	14:42:18	SELECT * FROM COURSE LIMIT 0, 1000	5 row(s) returned	0.047 sec / 0.000 sec

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

Object Info Session

SENROLLMENT x

Limit to 1000 rows

```
60
61 • INSERT INTO ENROLL(REG_NO, COURSE_ID, SEM, MARKS) VALUES ('CS01', 11, 4, 85),
62                                     ('IS02', 22, 6, 80),
63                                     ('EC03', 33, 2, 80),
64                                     ('CS03', 44, 6, 75),
65                                     ('TC05', 55, 2, 8);
66 • SELECT * FROM ENROLL;
```

Result Grid Filter Rows: Export: Wrap Cell Content:

	REG_NO	COURSE_ID	SEM	MARKS
▶	CS01	11	4	85
	IS02	22	6	80
	EC03	33	2	80
	CS03	44	6	75
	TC05	55	2	8

Result Grid

Form Editor

ENROLL 3 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	14:38:54	USE SENROLLMENT	0 row(s) affected	0.015 sec
✓ 2	14:40:41	SELECT * FROM STUDENT LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓ 3	14:42:18	SELECT * FROM COURSE LIMIT 0, 1000	5 row(s) returned	0.047 sec / 0.000 sec
✓ 4	14:42:51	SELECT * FROM ENROLL LIMIT 0, 1000	5 row(s) returned	0.078 sec / 0.000 sec

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

Object Info Session

SENROLLMENT x

Limit to 1000 rows

```
69 (11,4,2),
70 (44,6,3),
71 (44,6,4),
72 (55,2,5),
73 (22,6,6),
74 (55,2,7);
75 • SELECT * FROM BOOK_ADOPTION;
```

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

	COURSE_ID	SEM	BOOK_ISBN
▶	11	4	1
	11	4	2
	44	6	3
	44	6	4
	55	2	5
	22	6	6
	55	2	7
*	NULL	NULL	NULL

BOOK_ADOPTION 4 x

Apply

Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	14:38:54	USE SENROLLMENT	0 row(s) affected	0.015 sec
✓ 2	14:40:41	SELECT * FROM STUDENT LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓ 3	14:42:18	SELECT * FROM COURSE LIMIT 0, 1000	5 row(s) returned	0.047 sec / 0.000 sec
✓ 4	14:42:51	SELECT * FROM ENROLL LIMIT 0, 1000	5 row(s) returned	0.078 sec / 0.000 sec
✓ 5	14:43:12	SELECT * FROM BOOK_ADOPTION LIMIT 0, 1000	7 row(s) returned	0.062 sec / 0.000 sec



Navigator

SCHEMAS

Filter objects

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Administration Schemas

Information

No object selected

Object Info Session

SENROLLMENT ×

Limit to 1000 rows

```
77 • INSERT INTO TEXT(BOOK_ISBN, BOOK_TITLE, PUBLISHER, AUTHOR) VALUES (1, 'DS and C', 'Princeton', 'Padma Reddy'),
78                                     (2, 'Fundamentals of DS', 'Princeton', 'Godse'),
79                                     (3, 'Fundamentals of DBMS', 'Princeton', 'Navathe'),
80                                     (4, 'SQL', 'Princeton', 'Foley'),
81                                     (5, 'Electronic circuits', 'TMH', 'Elmasri'),
82                                     (6, 'Adv unix prog', 'TMH', 'Stevens');
83 • SELECT * FROM TEXT;
```

Result Grid Filter Rows: Export: Wrap Cell Content:

	BOOK_ISBN	BOOK_TITLE	PUBLISHER	AUTHOR
▶	1	DS and C	Princeton	Padma Reddy
	2	Fundamentals of DS	Princeton	Godse
	3	Fundamentals of DBMS	Princeton	Navathe
	4	SQL	Princeton	Foley
	5	Electronic circuits	TMH	Elmasri
	6	Adv unix prog	TMH	Stevens

Result Grid

Form Editor

TEXT 5 ×

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	2 14:40:41	SELECT * FROM STUDENT LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓	3 14:42:18	SELECT * FROM COURSE LIMIT 0, 1000	5 row(s) returned	0.047 sec / 0.000 sec
✓	4 14:42:51	SELECT * FROM ENROLL LIMIT 0, 1000	5 row(s) returned	0.078 sec / 0.000 sec
✓	5 14:43:12	SELECT * FROM BOOK_ADOPTION LIMIT 0, 1000	7 row(s) returned	0.062 sec / 0.000 sec
✓	6 14:43:32	SELECT * FROM TEXT LIMIT 0, 1000	6 row(s) returned	0.031 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80

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SCHEMAS

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sys

world

Administration

Schemas

No object selected

Object InfoSession

SENROLLMENT*

Limit to 1000 rows

83 • SELECT * FROM TEXT;

84

85 -- Demonstrate how you add a new text book to the database and make this book be adopted by some department.

86 • INSERT INTO TEXT VALUES(7, "TREES & GRAPHS", "PRINCETON", "SADGE");

87 • INSERT INTO BOOK_ADOPTION VALUES(11, 4, 8);

88

89 • SELECT * FROM BOOK_ADOPTION;

90

Result Grid

Filter Rows:

EditExport/ImportWrap Cell Content

	COURSE_ID	SEM	BOOK_ISBN
▶	11	4	1
	11	4	2
	44	6	3
	44	6	4
	55	2	5
	22	6	6
	55	2	7
	11	4	8
*	NULL	NULL	NULL

BOOK_ADOPTION 16

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 21	15:43:50	INSERT INTO TEXT VALUES(7, "TREES & GRAPHS", "PRINCETON", "SADGE")	1 row(s) affected	0.109 sec
✗ 22	15:43:51	INSERT INTO BOOK_ADOPTION VALUES(11, 4, 7)	Error Code: 1062. Duplicate entry '7' for key 'book_adoption.PRIMARY'	0.000 sec
✓ 23	15:44:08	INSERT INTO BOOK_ADOPTION VALUES(11, 4, 8)	1 row(s) affected	0.125 sec
✓ 24	15:44:40	SELECT * FROM BOOK_ADOPTION LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80

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Information

No object selected

Object InfoSession

SENROLLMENT*

Limit to 1000 rows

86 • INSERT INTO TEXT VALUES(7, "TREES & GRAPHS", "PRINCETON", "SADGE");

87 • INSERT INTO BOOK_ADOPTION VALUES(11, 4, 8);

88

89 • SELECT * FROM BOOK_ADOPTION;

90

91 • SELECT * FROM TEXT;

92

93

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	BOOK_ISBN	BOOK_TITLE	PUBLISHER	AUTHOR
▶ 1	1	DS and C	Princeton	Padma Reddy
2	2	Fundamentals of DS	Princeton	Godse
3	3	Fundamentals of DBMS	Princeton	Navathe
4	4	SQL	Princeton	Foley
5	5	Electronic circuits	TMH	Elmasri
6	6	Adv unix prog	TMH	Stevens
7	7	TREES & GRAPHS	PRINCETON	SADGE

TEXT 17

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✖ 22	15:43:51	INSERT INTO BOOK_ADOPTION VALUES(11, 4, 7)	Error Code: 1062. Duplicate entry '7' for key 'book_adoption.PRIMARY'	0.000 sec
✔ 23	15:44:08	INSERT INTO BOOK_ADOPTION VALUES(11, 4, 8)	1 row(s) affected	0.125 sec
✔ 24	15:44:40	SELECT * FROM BOOK_ADOPTION LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec
✔ 25	15:45:13	SELECT * FROM TEXT LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec

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Information

No object selected

Object InfoSession

SENROLLMENT

Limit to 1000 rows

89

•

SELECT * FROM BOOK_ADOPTION;

90

91

•

SELECT * FROM TEXT;

92

93

-- Produce a list of text books (include Course #, Book-ISBN, Book-title) in the alphabetical order for courses offered by the 'CS' department that u

94

•

SELECT C.COURSE_ID,T.BOOK_ISBN,T.BOOK_TITLE FROM TEXT T,COURSE C,BOOK_ADOPTION B WHERE T.BOOK_ISBN=B.BOOK_ISBN AND B.COURSE_ID=C.COURSE_ID AND C.DEPT

95

96

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	COURSE_ID	BOOK_ISBN	BOOK_TITLE
▶	11	1	DS and C
	44	3	Fundamentals of DBMS
	11	2	Fundamentals of DS
	44	4	SQL

Result 18

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	23 15:44:08	INSERT INTO BOOK_ADOPTION VALUES(11, 4, 8)	1 row(s) affected	0.125 sec
✓	24 15:44:40	SELECT * FROM BOOK_ADOPTION LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec
✓	25 15:45:13	SELECT * FROM TEXT LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
✓	26 15:45:42	SELECT C.COURSE_ID,T.BOOK_ISBN,T.BOOK_TITLE FROM TEXT T,COURSE C,BOO...	4 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80

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Filter objects

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banking_enterprise

bookdealer

insurance

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order_processing1

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Information

No object selected

Object InfoSession

SENROLLMENT

Limit to 1000 rows

105

106

107

108

109

110

111

AND T.PUBLISHER='Princeton')

AND C.DEPT NOT IN

(SELECT C.DEPT

FROM COURSE C,BOOK_ADOPTION B,TEXT T

WHERE C.COURSE_ID=B.COURSE_ID

AND T.BOOK_ISBN=B.BOOK_ISBN

AND T.PUBLISHER != 'Princeton'));

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

DEPT

CS

Result Grid

Form Editor

COURSE 19

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
24	15:44:40	SELECT * FROM BOOK_ADOPTION LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec
25	15:45:13	SELECT * FROM TEXT LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
26	15:45:42	SELECT C.COURSE_ID,T.BOOK_ISBN,T.BOOK_TITLE FROM TEXT T,COURSE C,BOO...	4 row(s) returned	0.000 sec / 0.000 sec
27	15:46:07	SELECT DISTINCT C.DEPT FROM COURSE C WHERE C.DEPT IN (SELECT ...	1 row(s) returned	0.000 sec / 0.000 sec