

Output lab-5

MySQL Workbench

student x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

banking

order_processing

Query 1

Limit to 1000 rows

43 AUTHOR VARCHAR(30),

44 FOREIGN KEY(BOOK_ISBN) REFERENCES BOOK_ADOPTION(BOOK_ISBN) ON DELETE CASCADE ON UPDATE CASCADE

45);

46 show tables;

47 INSERT INTO STUDENT(REG_NO, SNAME, MAJOR, BDATE) VALUES ('CS01', 'RAM', 'DS', '1986-03-12');

48 INSERT INTO STUDENT(REG_NO, SNAME, MAJOR, BDATE) VALUES ('IS02', 'SMITH', 'USP', '1987-12-23');

49 INSERT INTO STUDENT(REG_NO, SNAME, MAJOR, BDATE) VALUES ('EC03', 'AHMED', 'SNS', '1985-04-17');

50 INSERT INTO STUDENT(REG_NO, SNAME, MAJOR, BDATE) VALUES ('CS03', 'SNEHA', 'DBMS', '1987-01-01');

Result Grid

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

Administration Schemas

Information

No object selected

STUDENT 2 x COURSE 3 ENROLL 4 BOOK_ADOPTION 5 TEXT 6 BOOK_ADOPTION 7 1 Apply Revert Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
42	10:50:16	SELECT * FROM TEXT LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
43	10:50:16	INSERT INTO TEXT VALUES(7, 'TREES & GRAPHS', 'PRINCETON', 'SADGE')	1 row(s) affected	0.000 sec
44	10:50:16	INSERT INTO BOOK_ADOPTION VALUES(11, 4, 8)	1 row(s) affected	0.000 sec
45	10:50:16	SELECT * FROM BOOK_ADOPTION LIMIT 0, 1000	8 row(s) returned	0.016 sec / 0.000 sec
46	10:50:16	SELECT * FROM TEXT LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
47	10:50:16	SELECT C.COURSE_ID, T.BOOK_ISBN, T.BOOK_TITLE FROM TEXT T, COURSE C, BOOK_ADOPTION B WHERE C.COURSE_ID = T.COURSE_ID AND B.BOOK_ISBN = T.BOOK_ISBN	4 row(s) returned	0.000 sec / 0.000 sec
48	10:50:16	SELECT DISTINCT C.DEPT FROM COURSE C WHERE C.DEPT IN (SELECT C.DEPT FROM COURSE C WHERE C.COURSE_ID = 1)	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

23°C Partly cloudy 11:28 26-05-2021

MySQL Workbench

student x

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Navigator

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Query 1

Limit to 1000 rows

65 INSERT INTO ENROLL(REG_NO, COURSE_ID, SEM, MARKS) VALUES ('TC05', 55, 2, 8);

66 SELECT * FROM ENROLL;

67

68 INSERT INTO BOOK_ADOPTION(COURSE_ID, SEM, BOOK_ISBN) VALUES (11, 4, 1);

69 INSERT INTO BOOK_ADOPTION(COURSE_ID, SEM, BOOK_ISBN) VALUES (11, 4, 2);

70 INSERT INTO BOOK_ADOPTION(COURSE_ID, SEM, BOOK_ISBN) VALUES (44, 6, 3);

71 INSERT INTO BOOK_ADOPTION(COURSE_ID, SEM, BOOK_ISBN) VALUES (44, 6, 4);

72 INSERT INTO BOOK_ADOPTION(COURSE_ID, SEM, BOOK_ISBN) VALUES (55, 2, 5);

Result Grid

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

Administration Schemas

Information

No object selected

COURSE 3 ENROLL 4 x BOOK_ADOPTION 5 TEXT 6 BOOK_ADOPTION 7 TEXT 8 Result 9 Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
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43	10:50:16	INSERT INTO TEXT VALUES(7, 'TREES & GRAPHS', 'PRINCETON', 'SADGE')	1 row(s) affected	0.000 sec
44	10:50:16	INSERT INTO BOOK_ADOPTION VALUES(11, 4, 8)	1 row(s) affected	0.000 sec
45	10:50:16	SELECT * FROM BOOK_ADOPTION LIMIT 0, 1000	8 row(s) returned	0.016 sec / 0.000 sec
46	10:50:16	SELECT * FROM TEXT LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
47	10:50:16	SELECT C.COURSE_ID, T.BOOK_ISBN, T.BOOK_TITLE FROM TEXT T, COURSE C, BOOK_ADOPTION B WHERE C.COURSE_ID = T.COURSE_ID AND B.BOOK_ISBN = T.BOOK_ISBN	4 row(s) returned	0.000 sec / 0.000 sec
48	10:50:16	SELECT DISTINCT C.DEPT FROM COURSE C WHERE C.DEPT IN (SELECT C.DEPT FROM COURSE C WHERE C.COURSE_ID = 1)	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

23°C Partly cloudy 11:18 26-05-2021

Output lab-5

MySQL Workbench

student x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

banking

order_processing

Administration Schemas

Information

No object selected

Query 1

Limit to 1000 rows

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

```
76
77 INSERT INTO TEXT (BOOK_ISBN, BOOK_TITLE, PUBLISHER, AUTHOR) VALUES (1, 'DS and C', 'Princeton', 'Padma Reddy');
78 INSERT INTO TEXT (BOOK_ISBN, BOOK_TITLE, PUBLISHER, AUTHOR) VALUES (2, 'Fundamentals of DS', 'Princeton', 'Godse');
79 INSERT INTO TEXT (BOOK_ISBN, BOOK_TITLE, PUBLISHER, AUTHOR) VALUES (3, 'Fundamentals of DBMS', 'Princeton', 'Navathe');
80 INSERT INTO TEXT (BOOK_ISBN, BOOK_TITLE, PUBLISHER, AUTHOR) VALUES (4, 'SQL', 'Princeton', 'Foley');
81 INSERT INTO TEXT (BOOK_ISBN, BOOK_TITLE, PUBLISHER, AUTHOR) VALUES (5, 'Electronic circuits', 'TMH', 'Ehmasi');
82 INSERT INTO TEXT (BOOK_ISBN, BOOK_TITLE, PUBLISHER, AUTHOR) VALUES (6, 'Adv unix prog', 'TMH', 'Stevens');
83 SELECT * FROM TEXT;
```

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	Ehmasi
6	Adv unix prog	TMH	Stevens

COURSE 3 ENROLL 4 BOOK_ADOPTION 5 TEXT 6 BOOK_ADOPTION 7 TEXT 8 Result 9 Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
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43	10:50:16	INSERT INTO TEXT VALUES(7, 'TREES & GRAPHS', 'PRINCETON', 'SADGE')	1 row(s) affected	0.000 sec
44	10:50:16	INSERT INTO BOOK_ADOPTION VALUES(11, 4, 8)	1 row(s) affected	0.000 sec
45	10:50:16	SELECT * FROM BOOK_ADOPTION LIMIT 0, 1000	8 row(s) returned	0.016 sec / 0.000 sec
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47	10:50:16	SELECT C.COURSE_ID, T.BOOK_ISBN, T.BOOK_TITLE FROM TEXT T, COURSE C, BOOK_ADOPTION B WHERE C.COURSE_ID = B.COURSE_ID AND B.BOOK_ISBN = T.BOOK_ISBN	4 row(s) returned	0.000 sec / 0.000 sec
48	10:50:16	SELECT DISTINCT C.DEPT FROM COURSE C WHERE C.DEPT IN (SELECT C.DEPT FROM COURSE C)	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

23°C Partly cloudy 11:14 26-05-2021

MySQL Workbench

student x

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Navigator

SCHEMAS

Filter objects

banking

order_processing

Administration Schemas

Information

No object selected

Query 1

Limit to 1000 rows

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

```
55 INSERT INTO COURSE (COURSE_ID, CNAME, DEPT) VALUES (22, 'USP', 'IS');
56 INSERT INTO COURSE (COURSE_ID, CNAME, DEPT) VALUES (33, 'SNS', 'EC');
57 INSERT INTO COURSE (COURSE_ID, CNAME, DEPT) VALUES (44, 'DBMS', 'CS');
58 INSERT INTO COURSE (COURSE_ID, CNAME, DEPT) VALUES (55, 'EC', 'TC');
59 SELECT * FROM COURSE;
60
61 INSERT INTO ENROLL (REG_NO, COURSE_ID, SEM, MARKS) VALUES ('CS01', 11, 4, 85);
62 INSERT INTO ENROLL (REG_NO, COURSE_ID, SEM, MARKS) VALUES ('IS02', 22, 6, 80);
```

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

COURSE 3 ENROLL 4 BOOK_ADOPTION 5 TEXT 6 BOOK_ADOPTION 7 TEXT 8 Result 9 Apply Revert Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
42	10:50:16	SELECT * FROM TEXT LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
43	10:50:16	INSERT INTO TEXT VALUES(7, 'TREES & GRAPHS', 'PRINCETON', 'SADGE')	1 row(s) affected	0.000 sec
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46	10:50:16	SELECT * FROM TEXT LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
47	10:50:16	SELECT C.COURSE_ID, T.BOOK_ISBN, T.BOOK_TITLE FROM TEXT T, COURSE C, BOOK_ADOPTION B WHERE C.COURSE_ID = B.COURSE_ID AND B.BOOK_ISBN = T.BOOK_ISBN	4 row(s) returned	0.000 sec / 0.000 sec
48	10:50:16	SELECT DISTINCT C.DEPT FROM COURSE C WHERE C.DEPT IN (SELECT C.DEPT FROM COURSE C)	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

23°C Partly cloudy 11:16 26-05-2021

Output lab-5

The screenshot displays the MySQL Workbench interface. The main window shows a SQL query in the editor, which is a complex SELECT statement involving multiple tables (TEXT, COURSE, BOOK_ADOPTION) and a subquery. The query is highlighted in blue. Below the editor, the 'Result Grid' is visible, showing the results of the query. The results are organized into columns: COURSE_ID, BOOK_ISBN, and BOOK_TITLE. The data is as follows:

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

The 'Output' pane at the bottom shows the execution log, including the time taken for each statement and the number of rows returned. The log entries are as follows:

#	Time	Action	Message	Duration / Fetch
42	10:50:16	SELECT * FROM TEXT LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
43	10:50:16	INSERT INTO TEXT VALUES(7, "TREES & GRAPHS", "PRINCETON", "SADGE")	1 row(s) affected	0.000 sec
44	10:50:16	INSERT INTO BOOK_ADOPTION VALUES(11, 4, 8)	1 row(s) affected	0.000 sec
45	10:50:16	SELECT * FROM BOOK_ADOPTION LIMIT 0, 1000	8 row(s) returned	0.016 sec / 0.000 sec
46	10:50:16	SELECT * FROM TEXT LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
47	10:50:16	SELECT C.COURSE_ID, T.BOOK_ISBN, T.BOOK_TITLE FROM TEXT T, COURSE C, BOOK_ADOPTION B WHERE T.BOOK_ID=B.COURSE_ID AND C.COURSE_ID=B.COURSE_ID AND C.DEPT="CS" AND (SELECT COUNT(B.BOOK_ISBN) FROM BOOK_ADOPTION B WHERE B.COURSE_ID=B.COURSE_ID)>=2 ORDER BY T.BOOK_TITLE;	4 row(s) returned	0.000 sec / 0.000 sec
48	10:50:16	SELECT DISTINCT C.DEPT FROM COURSE C WHERE C.DEPT IN (SELECT C.DEPT FROM COURSE C WHERE C.COURSE_ID=B.COURSE_ID AND C.COURSE_ID=B.COURSE_ID AND C.DEPT="CS" AND (SELECT COUNT(B.BOOK_ISBN) FROM BOOK_ADOPTION B WHERE B.COURSE_ID=B.COURSE_ID)>=2)	1 row(s) returned	0.000 sec / 0.000 sec