

LAB-5

STUDENT_ENROLLMENT

OUTPUT SCREENSHOTS-

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: order_processing Banker Database SQL File 4* x

SCHEMAS

Filter objects

- banking
- book_dealer
 - Tables
 - Views
 - Stored Procedures
 - Functions
- order_processing
- sys

81 • INSERT INTO TEXT(BOOK_ISBN, BOOK_TITLE, PUBLISHER, AUTHOR) VALUES (5, 'Electronic circuits', 'TMH', 'El ^

82 • INSERT INTO TEXT(BOOK_ISBN, BOOK_TITLE, PUBLISHER, AUTHOR) VALUES (6, 'Adv unix prog', 'TMH', 'Stevens'

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 depar

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;

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
	11	4	8
•	NULL	NULL	NULL

BOOK_ADOPTION 11 x

Apply

Result Grid

Form Editor

Field Types

No object selected

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: order_processing Banker Database SQL File 4*

Limit to 1000 rows

```

81 • INSERT INTO TEXT(BOOK_ISBN, BOOK_TITLE, PUBLISHER, AUTHOR) VALUES (5, 'Electronic circuits', 'TMH', 'El
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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;

```

Result Grid

	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	
7	TREES & GRAPHS	PRINCETON	SADGE	

TEXT 12 x

Read Only

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: order_processing Banker Database SQL File 4*

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
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
95 • B.COURSE_ID=C.COURSE_ID AND C.DEPT="CS" AND (SELECT COUNT(B.BOOK_ISBN) FROM BOOK_ADOPTION B WHERE
96 • C.COURSE_ID=B.COURSE_ID)>=2 ORDER BY T.BOOK_TITLE;
97

```

Result Grid

	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	
7	TREES & GRAPHS	PRINCETON	SADGE	

TEXT 13 x

Read Only

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- banking
- book_dealer
 - Tables
 - Views
 - Stored Procedures
 - Functions
- order_processing
- sys

Administration Schemas

Information

No object selected

order_processing Banker Database SQL File 4*

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
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
95 B.COURSE_ID=C.COURSE_ID AND C.DEPT="CS" AND (SELECT COUNT(B.BOOK_ISBN) FROM BOOK_ADOPTION B WHERE
96 C.COURSE_ID=B.COURSE_ID)>=2 ORDER BY T.BOOK_TITLE;
97

```

Result Grid

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 14 x

Read Only

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- banking
- book_dealer
- order_processing

Administration Schemas

Information

No object selected

SQL File 5*

Limit to 1000 rows

```

105 WHERE C.COURSE_ID=B.COURSE_ID
106 AND T.BOOK_ISBN=B.BOOK_ISBN
107 AND T.PUBLISHER='Princeton')
108 AND C.DEPT NOT IN
109 (SELECT C.DEPT
110 FROM COURSE C,BOOK_ADOPTION B,TEXT T
111 WHERE C.COURSE_ID=B.COURSE_ID
112 AND T.BOOK_ISBN=B.BOOK_ISBN
113 AND T.PUBLISHER != 'Princeton');

```

Result Grid

DEPT
CS

Result 9

Read Only

NT 2 COURSE 3 ENROLL 4 BOOK_ADOPTION 5 TEXT 6 BOOK_ADOPTION 7 TEXT 8

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- banking
- book_dealer
- order_processing

Administration Schemas

Information

No object selected

SQL File 5*

Limit to 1000 rows

```

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);
63 • INSERT INTO ENROLL(REG_NO, COURSE_ID, SEM, MARKS) VALUES ('EC03', 33, 2, 80);
64 • INSERT INTO ENROLL(REG_NO, COURSE_ID, SEM, MARKS) VALUES ('CS03', 44, 6, 75);
65 • INSERT INTO ENROLL(REG_NO, COURSE_ID, SEM, MARKS) VALUES ('TC05', 55, 2, 8);

```

Result Grid

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

COURSE 11 x

Apply Revert

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- banking
- book_dealer
- order_processing

Administration Schemas

Information

No object selected

SQL File 5*

Limit to 1000 rows

```

41 BOOK_TITLE VARCHAR(30),
42 PUBLISHER VARCHAR(30),
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');

```

Result Grid

Filter Rows:

Export: Wrap Cell Content:

Tables_in_studentsenrollment

- book_adoption
- course
- enroll
- student
- text

Result 12 x

Read Only

Output

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

Filter objects

- banking
- book_dealer
- order_processing

SQL File 5* x

Limit to 1000 rows

```

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');
51 • INSERT INTO STUDENT(REG_NO, SNAME, MAJOR, BDATE) VALUES ('TC05', 'AKHILA', 'EC', '1986-10-06');
52 • SELECT * FROM STUDENT;
53
54 • INSERT INTO COURSE(COURSE_ID, CNAME, DEPT) VALUES (11, 'DS', 'CS');
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');

```

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
NULL	NULL	NULL	NULL

STUDENT 13 x

Apply Revert

Output

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

Filter objects

- banking
- book_dealer
- order_processing

SQL File 5* x

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);
73 • INSERT INTO BOOK_ADOPTION(COURSE_ID, SEM, BOOK_ISBN) VALUES (22, 6, 6);

```

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

ENROLL 14 x

Read Only

Output

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

SCHEMAS

Filter objects

banking

book_dealer

order_processing

Administration

Schemas

Information

No object selected

SQL File 5*

Limit to 1000 rows

73

•

INSERT INTO BOOK_ADOPTION(COURSE_ID,SEM,BOOK_ISBN) VALUES (22,6,6);

74

•

INSERT INTO BOOK_ADOPTION(COURSE_ID,SEM,BOOK_ISBN) VALUES (55,2,7);

75

•

SELECT * FROM BOOK_ADOPTION;

76

•

77

•

INSERT INTO TEXT(BOOK_ISBN, BOOK_TITLE, PUBLISHER, AUTHOR) VALUES (1, 'DS and C', 'Princeton', 'Padma R

78

•

INSERT INTO TEXT(BOOK_ISBN, BOOK_TITLE, PUBLISHER, AUTHOR) VALUES (2, 'Fundamentals of DS', 'Princeton'

79

•

INSERT INTO TEXT(BOOK_ISBN, BOOK_TITLE, PUBLISHER, AUTHOR) VALUES (3, 'Fundamentals of DBMS', 'Princeto

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', 'El

Result Grid

Filter Rows:

EDIT

EXPORT/IMPORTS

WRAP CELL CONTENTS

	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 15

ApplyRevert

Result Grid

Form Editor

Field Types