

Lab7:-

Tables:-

Book:-

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

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Administration Schemas

Information

Schema: lab7

Query 1

```
1 • use lab7;  
2 • select * from book;
```

Limit to 1000 rows

Result Grid

BOOKID	TITLE	PUBYEAR	PUBLISHERNAME
1	DBMS	JAN-2017	MCGRAW-HILL
2	ADBS	JUN-2016	MCGRAW-HILL
3	CN	SEP-2016	PEARSON
4	CG	SEP-2015	GRUPO PLANETA
5	OS	MAY-2016	PEARSON

book 8 x

Output

Apply Revert Context Help Snippets

Action Output

#	Time	Action	Message	Duration / Fetch
85	23:08:27	use lab7	0 row(s) affected	0.016 sec
86	23:08:27	select * from book LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

SQLAdditions

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

Book authors:-

MySQL Workbench

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Administration Schemas

Information

Schema: lab7

Query 1

```
1 • use lab7;
2 • select * from bookauthors;
```

Limit to 1000 rows

Result Grid

BOOKID	AUTHORNAME
1	NAVATHE
2	NAVATHE
3	TANENBAUM
4	EDWARD ANGEL
5	GALVIN

bookauthors 9 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
87	23:09:12	use lab7	0 row(s) affected	0.000 sec
88	23:09:12	select * from bookauthors LIMIT 0, 1000	5 row(s) returned	0.031 sec / 0.000 sec

Object Info Session

SQLAdditions

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

Book copies:-

MySQL Workbench

Local instance MySQL80 x

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Administration Schemas

Information

Schema: lab7

Query 1

```
1 • use lab7;
2 • select * from bookcopies;
```

Limit to 1000 rows

Result Grid

NOOFCOPIES	BOOKID	BRANCHID
10	1	10
5	1	11
2	2	12
5	2	13
7	3	14
1	5	10
3	4	11

bookcopies 10 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
89	23:09:52	use lab7	0 row(s) affected	0.000 sec
90	23:09:52	select * from bookcopies LIMIT 0, 1000	7 row(s) returned	0.078 sec / 0.000 sec

Object Info Session

SQLAdditions

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

Book lending:-

MySQL Workbench

Local instance MySQL80 x

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Administration Schemas

Information

Schema: lab7

Query 1 x

Limit to 1000 rows

```
1 • use lab7;  
2 • select * from booklending;
```

Result Grid

DATE_OUT	DUE_DATE	BOOKID	BRANCHID	CARDNO
2017-01-01	2017-06-01	1	10	101
2017-02-21	2017-04-21	2	13	101
2017-01-11	2017-03-11	3	14	101
2017-03-15	2017-07-15	4	11	101
2017-04-12	2017-05-12	1	11	104

booklending11 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
91	23:10:30	use lab7	0 row(s) affected	0.000 sec
92	23:10:30	select * from booklending LIMIT 0, 1000	5 row(s) returned	0.032 sec / 0.000 sec

Object Info Session

SQLAdditions

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

Library branch:-

MySQL Workbench

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Administration Schemas

Information

Schema: lab7

Query 1 x

Limit to 1000 rows

```
1 • use lab7;  
2 • select * from librarybranch;
```

Result Grid

BRANCHID	BRANCHNAME	ADDRESS
10	RR NAGAR	BANGALORE
11	RNSIT	BANGALORE
12	RAJAJI NAGAR	BANGALORE
13	NETTE	MANGALORE
14	MANGPAL	UDUPI

librarybranch12 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
93	23:11:21	use lab7	0 row(s) affected	0.000 sec
94	23:11:21	select * from librarybranch LIMIT 0, 1000	5 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

SQLAdditions

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

Publisher:-

The screenshot shows the MySQL Workbench interface. The 'Schemas' pane on the left lists various databases, with 'lab7' selected. The 'Query Editor' displays a SQL query: `use lab7;` followed by `select * from publisher;`. The 'Result Grid' shows the data from the 'publisher' table, which includes columns PNAME, PHONE, and ADDRESS. The 'Output' pane at the bottom shows the execution log, indicating that the query was successful and returned 5 rows.

PNAME	PHONE	ADDRESS
GRUPO PLANETA	7756120238	BANGALORE
HACHETTE LIVRE	8970862340	CHENNAI
MCGRAW-HILL	9989876587	BANGALORE
PEARSON	98899876565	NEW DELHI
RANDOM HOUSE	7455679345	HYDERABAD

1)

The screenshot shows the MySQL Workbench interface with a more complex SQL query. The query is: `SELECT B.BOOKID, B.TITLE, B.PUBLISHERNAME, A.AUTHORNAME, E.NOOF COPIES, L.BRANCHID FROM BOOK B, BOOKAUTHORS A, BOOKCOPIES C, LIBRARYBRANCH L`. The 'Result Grid' displays the results of this query, showing columns BOOKID, TITLE, PUBLISHERNAME, AUTHORNAME, NOOF COPIES, and BRANCHID. The 'Output' pane shows the execution log, indicating that the query was successful and returned 7 rows.

BOOKID	TITLE	PUBLISHERNAME	AUTHORNAME	NOOF COPIES	BRANCHID
1	DBMS	MCGRAW-HILL	NAVATHE	10	10
1	DBMS	MCGRAW-HILL	NAVATHE	5	11
2	ADBS	MCGRAW-HILL	NAVATHE	2	12
2	ADBS	MCGRAW-HILL	NAVATHE	5	13
3	CN	PEARSON	TANENBAUM	7	14
4	CG	GRUPO PLANETA	EDWARD ANGEL	3	11
5	OS	PEARSON	GALVIN	1	10

2)

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Information

Schema: lab7

Query 1

Limit to 1000 rows

1 • use lab7;

2 • SELECT CARDNO FROM BOOKLENDING WHERE DATE_OUT BETWEEN '2017-01-01' AND '2017-07-01' GROUP BY CARDNO HAVING Count(*)>3;

Result Grid

Filter Rows:

Exports

Wrap Cell Contents

CARDNO

101

BOOKLENDING 15

Read Only

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
99	23:15:10	use lab7	0 row(s) affected	0.000 sec
100	23:15:10	SELECT CARDNO FROM BOOKLENDING WHERE DATE_OUT BETWEEN 2017-01-01 AND 2017-07-01 ...	1 row(s) returned	0.016 sec / 0.000 sec

3)

MySQL Workbench

Local instance MySQL80 x

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Administration Schemas

Information

Schema: lab7

Query 1 x

Limit to 1000 rows

```
1 use lab7;  
2 DELETE FROM BOOK WHERE BOOKID='3';  
3 SELECT * FROM BOOK;
```

Result Grid

BOOKID	TITLE	PUBYEAR	PUBLISHERNAME
1	DBMS	JAN-2017	MCGRRAW-HILL
2	ADBMS	JUN-2016	MCGRRAW-HILL
4	CG	SEP-2015	GRUPO PLANETA
5	OS	MAY-2016	PEARSON

BOOK 16 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
102	23:16:03	DELETE FROM BOOK WHERE BOOKID='3'	1 row(s) affected	1.047 sec
103	23:16:04	SELECT * FROM BOOK LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

SQLAdditions

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4)

MySQL Workbench

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Administration Schemas

Information

Schema: lab7

Query 1 x

Limit to 1000 rows

```
1 use lab7;  
2 CREATE VIEW V_PUBLICATION AS SELECT PUBYEAR FROM BOOK;  
3 SELECT * FROM V_PUBLICATION;
```

Result Grid

PUBYEAR
JAN-2017
JUN-2016
SEP-2015
MAY-2016

V_PUBLICATION 17 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
105	23:16:59	CREATE VIEW V_PUBLICATION AS SELECT PUBYEAR FROM BOOK	0 row(s) affected	0.359 sec
106	23:16:59	SELECT * FROM V_PUBLICATION LIMIT 0, 1000	4 row(s) returned	0.031 sec / 0.000 sec

Object Info Session

SQLAdditions

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

5)

MySQL Workbench

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Administration Schemas

Information

Schema: lab7

Query 1

```
1 • use lab7;
2 • CREATE VIEW V_BOOKS AS SELECT B.BOOKID, B.TITLE, C.NOOFCOPIES FROM BOOK B, BOOKCOPIES C, LIBRARYBRANCH L WHERE B.BOOKID=C.BOOKID AND C.BRANCHID=L.BRANCHID;
3 • SELECT * FROM V_BOOKS;
```

Result Grid

	BOOKID	TITLE	NOOFCOPIES
1	DBMS	10	
1	DBMS	5	
2	ADBMS	2	
2	ADBMS	5	
4	CG	3	
5	OS	1	

Output

#	Time	Action	Message	Duration / Fetch
✓ 108	23:18:00	CREATE VIEW V_BOOKS AS SELECT B.BOOKID, B.TITLE, C.NOOFCOPIES FROM BOOK B, BOOKCOPIES...	0 row(s) affected	0.297 sec
✓ 109	23:18:00	SELECT * FROM V_BOOKS LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

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