LAB-4

BANKING_DATABASE

OUTPUT SCREENSHOTS-

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

order_processing   SQL File 11* ×

Limit to 1000 rows

```
61 •   insert into customer(customer_name,customer_street,customer_city) VALUES
62     ("Ravi","Dasarahalli","Bangalore"),
63     ("Shyam","Indiranagar","Delhi"),
64     ("Seema","Vasantnagar","Chennai"),
65     ("Arpita","Church Street","Bangalore"),
66     ("Vinay","MG Road","Chennai");
67 •   select *from customer;
68
69 •   insert into depositor(customer_name,accno) VALUES
```

SQLAdditions

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

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

	customer_name	customer_street	customer_city
▶	Arpita	Church Street	Bangalore
	Ravi	Dasarahalli	Bangalore
	Seema	Vasantnagar	Chennai
	Shyam	Indiranagar	Delhi
	Vinay	MG Road	Chennai
*	NULL	NULL	NULL

Result Grid
Form Editor
Field Types

customer 12 ×

Apply   Context Help   Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 22	17:46:42	select customer_name from depositor join accounts on depositor.accno = accounts.accno where accounts.bra...	1 row(s) returned	0.000 sec / 0.000 sec
✓ 23	17:46:42	select customer_name from depositor join accounts on accounts.accno = depositor.accno join branch on bran...	1 row(s) returned	0.000 sec / 0.000 sec
✓ 24	17:46:42	delete from accounts where branch_name in (select branch_name from branch where branch_city="Delhi")	1 row(s) affected	0.000 sec
✓ 25	17:46:42	select *from accounts LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
✓ 26	17:50:15	select *from accounts LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
✓ 27	17:51:12	select *from customer LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Object Info   Session

Type here to search   ENG   17:51   21-05-2021

Navigator

SCHEMAS

Filter objects
- book_dealer
  - Tables
  - Views
  - Stored Procedures
  - Functions
- order_processing
- sys

order_processing   SQL File 11* ×

Limit to 1000 rows

```
45     ('C','Delhi',235344),
46     ('D','Chennai',1050560),
47     ('E','Chennai',678909);
48 •   select *from branch;
49
50 •   insert into accounts(accno,branch_name,balance) VALUES
51     (1001,'A',10000),
52     (1002,'B',5000),
53     (1003,'C',7500),
```

SQLAdditions

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

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

	branch_name	branch_city	assets
▶	A	Bangalore	190000
	B	Bangalore	200000
	C	Delhi	235344
	D	Chennai	1050560
	E	Chennai	678909
*	NULL	NULL	NULL

Result Grid
Form Editor
Field Types

branch 13 ×

Apply   Context Help   Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 23	17:46:42	select customer_name from depositor join accounts on accounts.accno = depositor.accno join branch on bran...	1 row(s) returned	0.000 sec / 0.000 sec
✓ 24	17:46:42	delete from accounts where branch_name in (select branch_name from branch where branch_city="Delhi")	1 row(s) affected	0.000 sec
✓ 25	17:46:42	select *from accounts LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
✓ 26	17:50:15	select *from accounts LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
✓ 27	17:51:12	select *from customer LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓ 28	17:52:40	select *from branch LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Object Info   Session

Type here to search   ENG   17:52   21-05-2021

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

▼ 🗄 book_dealer
  ▶ 🛢 Tables
    🛢 Views
    🛢 Stored Procedures
    🛢 Functions
  ▶ 🗄 order_processing
  ▶ 🗄 sys

order_processing   SQL File 11* ×

Limit to 1000 rows

```
77        ('Vinay',1008);
78  ●   select *from depositor;
79
80
81  ●   insert into loan(loan_number,branch_name,amount) VALUES
82        (001,'A',10000),
83        (002,'B',25000),
84        (003,'B',250000),
85        (004,'C',5000),
```

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

customer_name	accno
Ravi	1001
Ravi	1002
Seema	1004
Seema	1005
Arpita	1006
Vinay	1007
Vinay	1008
NULL	NULL

depositor 14 ×

SQLAdditions

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

Result Grid

Form Editor

Field Types

Apply   Context Help   Snippets

Administration   Schemas

Information

No object selected

Output

Action Output

#	Time	Action	Message	Duration / Fetch
● 24	17:46:42	delete from accounts where branch_name in (select branch_name from branch where branch_city="Delhi")	1 row(s) affected	0.000 sec
● 25	17:46:42	select *from accounts LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
● 26	17:50:15	select *from accounts LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
● 27	17:51:12	select *from customer LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
● 28	17:52:40	select *from branch LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
● 29	17:53:36	select *from depositor LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec

Object Info   Session

Type here to search

ENG   17:53 21-05-2021

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

▼ 🗄 book_dealer
  ▶ 🛢 Tables
    🛢 Views
    🛢 Stored Procedures
    🛢 Functions
  ▶ 🗄 order_processing
  ▶ 🗄 sys

order_processing   SQL File 11* ×

Limit to 1000 rows

```
85        (004,'C',5000),
86        (005,'E',90000);
87  ●   select *from loan;
88
89  ●   insert into borrower(customer_name,loan_number) VALUES
90        ('Arpita',001),
91        ('Ravi',002),
92        ('Arpita',003),
93        ('Shyam',004),
```

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

loan_number	branch_name	amount
1	A	10000
2	B	25000
3	B	250000
4	C	5000
5	E	90000
NULL	NULL	NULL

loan 15 ×

SQLAdditions

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

Result Grid

Form Editor

Field Types

Apply   Context Help   Snippets

Administration   Schemas

Information

No object selected

Output

Action Output

#	Time	Action	Message	Duration / Fetch
● 25	17:46:42	select *from accounts LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
● 26	17:50:15	select *from accounts LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
● 27	17:51:12	select *from customer LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
● 28	17:52:40	select *from branch LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
● 29	17:53:36	select *from depositor LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
● 30	17:54:08	select *from loan LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Object Info   Session

Type here to search

ENG   17:54 21-05-2021

order_processing   SQL File 11* ×

```
97        /*iii. Find all the customers who have at least two accounts at the Main branch */
98
99  •     select customer_name from depositor
100       join accounts on depositor.accno = accounts.accno where accounts.branch_name = "D"
101       group by depositor.customer_name having count(depositor.customer_name) >=2;
102
103       /* iv. Find all the customers who have an account at all the branches located in a specific city.*/
104
105  •    select customer_name from depositor
```

Result Grid   Filter Rows: Export: Wrap Cell Content:

customer_name
Seema

Result 17 ×   Read Only   Context Help   Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
27	17:51:12	select *from customer LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
28	17:52:40	select *from branch LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
29	17:53:36	select *from depositor LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
30	17:54:08	select *from loan LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
31	17:54:34	select *from borrower LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
32	17:56:07	select customer_name from depositor join accounts on depositor.accno = accounts.accno where accounts.bra...	1 row(s) returned	0.000 sec / 0.000 sec

17:58
21-05-2021

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order_processing   SQL File 11* ×

```
104
105  •    select customer_name from depositor
106       join accounts on accounts.accno = depositor.accno
107       join branch on branch.branch_name = accounts.branch_name
108       where branch.branch_city = "Bangalore"
109       GROUP BY depositor.customer_name
110       having count(DISTINCT branch.branch_name) = (SELECT COUNT(branch_name)
111       FROM branch
112       WHERE branch_city = 'Bangalore');
```

Result Grid   Filter Rows: Export: Wrap Cell Content:

customer_name
Ravi

Result 18 ×   Read Only   Context Help   Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
28	17:52:40	select *from branch LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
29	17:53:36	select *from depositor LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
30	17:54:08	select *from loan LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
31	17:54:34	select *from borrower LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
32	17:56:07	select customer_name from depositor join accounts on depositor.accno = accounts.accno where accounts.bra...	1 row(s) returned	0.000 sec / 0.000 sec
33	18:01:18	select customer_name from depositor join accounts on accounts.accno = depositor.accno join branch on bran...	1 row(s) returned	0.000 sec / 0.000 sec

18:01
21-05-2021

order_processing   SQL File 11* ×

```
109       GROUP BY depositor.customer_name
110       having count(DISTINCT branch.branch_name) = (SELECT COUNT(branch_name)
111         FROM branch
112         WHERE branch_city = 'Bangalore');
113
114       /*v. Demonstrate how you delete all account tuples at every branch located in a specific city.*/
115  •   delete from accounts where branch_name in
116       (select branch_name from branch where branch_city="Delhi");
117  •   select *from accounts;
```

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

accno	branch_name	balance
1001	A	10000
1002	B	5000
1004	D	50000
1005	D	75000
1006	E	560
1007	B	500
1008	B	1500
NULL	NULL	NULL

accounts 19 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
29	17:53:36	select *from depositor LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
30	17:54:08	select *from loan LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
31	17:54:34	select *from borrower LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
32	17:56:07	select customer_name from depositor join accounts on depositor.accno = accounts.accno where accounts.bra...	1 row(s) returned	0.000 sec / 0.000 sec
33	18:01:18	select customer_name from depositor join accounts on accounts.accno = depositor.accno join branch on bran...	1 row(s) returned	0.000 sec / 0.000 sec
34	18:02:07	select *from accounts LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec

---

order_processing   SQL File 11* ×

```
37        loan_number int,
38        primary key(customer_name, loan_number),
39        foreign key (customer_name) references customer(customer_name) on delete cascade on update cascade,
40        foreign key (loan_number) references loan(loan_number) on delete cascade on update cascade);
41  •   show tables;
42  •   insert into branch(branch_name,branch_city,assets) values
43        ('A','Bangalore',190000),
44        ('B','Bangalore',200000),
45        ('C','Delhi',235344),
```

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

Tables_in_banking
accounts
borrower
branch
customer
depositor
loan

Result 20 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
30	17:54:08	select *from loan LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
31	17:54:34	select *from borrower LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
32	17:56:07	select customer_name from depositor join accounts on depositor.accno = accounts.accno where accounts.bra...	1 row(s) returned	0.000 sec / 0.000 sec
33	18:01:18	select customer_name from depositor join accounts on accounts.accno = depositor.accno join branch on bran...	1 row(s) returned	0.000 sec / 0.000 sec
34	18:02:07	select *from accounts LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
35	18:02:42	show tables	6 row(s) returned	0.015 sec / 0.000 sec