

Lab6:-

tables:-

Customers:-

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'lab6' selected. The main query editor contains the following SQL code:

```
1 • use lab6;
2 • SELECT * FROM customer;
```

The 'Result Grid' shows the following data:

CUSTOMERID	SALESMANID	CNAME	CITY	GRADE
10	1000	PREETHI	BANGALORE	100
11	1000	VIVEK	MANGALORE	300
12	2000	BHASKAR	CHENNAI	400
13	2000	CHETAN	BANGALORE	200
14	3000	MANMATHA	BANGALORE	400

The bottom 'Output' pane shows the 'Action Output' table:

#	Time	Action	Message	Duration / Fetch
26	20:30:30	use lab6	0 row(s) affected	0.000 sec
27	20:30:30	SELECT * FROM customer LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Orders:-

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

145  
lab1  
lab2  
lab3  
lab4  
lab5  
lab6

Tables  
aircraft  
certified  
employees  
flights  
Views  
Stored Procedures  
Functions

lab6  
Tables  
customer  
orders  
salesman  
Views  
Stored Procedures  
Functions

Administration Schemas

Information

Schema: lab6

Query 1 x

Limit to 1000 rows

1 • use lab6;  
2 • SELECT \* FROM orders;

Result Grid

ORDERNO	CUSTOMERID	SALESMANID	PURCHASEAMT	ORDERDATE
50	10	1000	5000	2017-05-04
51	10	2000	450	2017-01-20
52	13	2000	1000	2017-02-24
53	14	3000	3500	2017-04-13
54	12	2000	550	2017-03-09
NULL	NULL	NULL	NULL	NULL

orders 2 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
28	20:31:11	use lab6	0 row(s) affected	0.000 sec
29	20:31:11	SELECT * FROM orders LIMIT 0, 1000	5 row(s) returned	0.235 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.

## Salesman:-

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

145  
lab1  
lab2  
lab3  
lab4  
lab5  
lab6

Tables  
aircraft  
certified  
employees  
flights  
Views  
Stored Procedures  
Functions

lab6  
Tables  
customer  
orders  
salesman  
Views  
Stored Procedures  
Functions

Administration Schemas

Information

Schema: lab6

Query 1 x

Limit to 1000 rows

1 • use lab6;  
2 • SELECT \* FROM salesman;

Result Grid

SALESMANID	SNAME	CITY	COMMISSION
1000	JOHN	BANGALORE	25%
2000	RAVI	BANGALORE	20%
3000	KUMAR	MYSORE	15%
4000	SMITH	DELHI	30%
5000	HARSHA	HYDERABAD	15%
NULL	NULL	NULL	NULL

salesman 3 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
30	20:32:42	use lab6	0 row(s) affected	0.000 sec
31	20:32:42	SELECT * FROM salesman LIMIT 0, 1000	5 row(s) returned	0.016 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.

1)

The screenshot shows the MySQL Workbench interface for a local instance of MySQL 8.0. The 'Query 1' tab is active, displaying a SQL query that uses a database named 'lab6' and performs a grouped query on the 'CUSTOMER' table. The query is as follows:

```
1 • use lab6;  
2 • SELECT GRADE, COUNT(*) FROM CUSTOMER GROUP BY GRADE HAVING GRADE > (SELECT AVG(GRADE) FROM CUSTOMER WHERE CITY = 'BANGALORE');
```

The 'Result Grid' shows the output of the query, which consists of two rows:

GRADE	COUNT(*)
300	1
400	2

The 'Output' pane at the bottom shows the execution log with two entries:

#	Time	Action	Message	Duration / Fetch
32	20:34:40	use lab6	0 row(s) affected	0.000 sec
33	20:34:40	SELECT GRADE, COUNT(*) FROM CUSTOMER GROUP BY GRADE HAVING GRADE > (SELECT AVG(...	2 row(s) returned	0.031 sec / 0.000 sec

On the right side of the interface, a message states: "Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help."

2)

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

145  
lab1  
lab2  
lab3  
lab4  
lab5  
lab6

Tables  
aircraft  
certified  
employees  
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Views  
Stored Procedures  
Functions

lab6  
Tables  
customer  
orders  
salesman  
Views  
Stored Procedures  
Functions

Administration Schemas

Information

Schema: lab6

Query 1

Limit to 1000 rows

1 • use lab6;  
2 • SELECT SALESMANID, SNAME FROM SALESMAN A WHERE 1 < (SELECT COUNT(\*) FROM CUSTOMER WHERE SALESMANID=A.SALESMANID);

Result Grid

GRADE	COUNT(*)
300	1
400	2

Output

Action Output

#	Time	Action	Message	Duration / Fetch
32	20:34:40	use lab6	0 row(s) affected	0.000 sec
33	20:34:40	SELECT GRADE, COUNT(*) FROM CUSTOMER GROUP BY GRADE HAVING GRADE > (SELECT AVG(...	2 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.

3)

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

145  
lab1  
lab2  
lab3  
lab4  
lab5  
lab6

Tables  
aircraft  
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Functions

lab6  
Tables  
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orders  
salesman  
Views  
Stored Procedures  
Functions

Administration Schemas

Information

Schema: lab6

Query 1

Limit to 1000 rows

1 •  
2 • 'NO MATCH', COMMISSION FROM SALESMAN WHERE NOT CITY = ANY (SELECT CITY FROM CUSTOMER) ORDER BY 2 DESC;

Result Grid

SALESMANID	SNAME	CNAME	COMMISSION
4000	SMITH	NO MATCH	30%
2000	RAVI	PREETHI	20%
2000	RAVI	CHETAN	20%
2000	RAVI	MAMTHA	20%
3000	KUMAR	NO MATCH	15%
1000	JOHN	PREETHI	25%
1000	JOHN	CHETAN	25%
1000	JOHN	MAMTHA	25%
5000	HARSHA	NO MATCH	15%

Output

Action Output

#	Time	Action	Message	Duration / Fetch
34	20:39:48	use lab6	0 row(s) affected	0.000 sec
35	20:39:48	SELECT SALESMAN.SALESMANID,SNAME, CNAME, COMMISSION FROM SALESMAN, CUSTOMER WH...	9 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.

4)

The screenshot shows the MySQL Workbench interface with a query executed and its results displayed. The query is:

```
1 • use lab6;
2 • SELECT * FROM VIEWSALESMAN;
```

The results are shown in a table with the following data:

ORDERDATE	SALESMANID	SNAME
2017-05-04	1000	JOHN
2017-01-20	2000	RAVI
2017-02-24	2000	RAVI
2017-04-13	3000	KUMAR
2017-03-09	2000	RAVI

The bottom panel shows the output of the query execution:

#	Time	Action	Message	Duration / Fetch
38	20:42:18	use lab6	0 row(s) affected	0.000 sec
39	20:42:18	SELECT * FROM VIEWSALESMAN LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

5)

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- 145
- lab1
- lab2
- lab3
- lab4
- lab5
- lab6
  - Tables
    - aircraft
    - certified
    - employees
    - flights
  - Views
  - Stored Procedures
  - Functions

lab6

- Tables
  - customer
  - orders
  - salesman
- Views
- Stored Procedures
- Functions

Administration Schemas

Information

Schema: lab6

Query 1 x

Limit to 1000 rows

```
1 use lab6;
2 DELETE FROM SALESMAN WHERE SALESMANID=1000;
3 SELECT * FROM SALESMAN;
```

Result Grid

SALESMANID	SNAME	CITY	COMMISSION
2000	RAVI	BANGALORE	20%
3000	KUMAR	MYSORE	15%
4000	SMITH	DELHI	30%
5000	HARSHA	HYDERABAD	15%

Form Editor

Field Types

SQLAdditions

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

SALESMAN 7 x

Apply Revert Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
41	20:43:19	DELETE FROM SALESMAN WHERE SALESMANID=1000	1 row(s) affected	0.375 sec
42	20:43:19	SELECT * FROM SALESMAN LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

Object Info Session