

Lab10:-

Tables:-

Class:-

MySQL Workbench

Local instance MySQL80 x

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sakila

Administration Schemas

Information

No object selected

Query 1

Limit to 1000 rows

```
1 use lab10;
2 select *from class;
```

Result Grid

usrn	ssid
IBM19CS062	CSE-4A
IBM20CS010	CSE-4A
IBM20CS025	CSE-4B
IBM20CS032	CSE-4C
IBM19CS020	CSE-8A
IBM19CS066	CSE-8B
IBM19CS091	CSE-8C
NULL	NULL

class 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	12:44:55	use lab10	0 row(s) affected	0.000 sec
2	12:44:55	select *from class LIMIT 0, 1000	7 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.

iamarks:-

MySQL Workbench

Local instance MySQL80 x

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Administration Schemas

Information

No object selected

Query 1

Limit to 1000 rows

```
1 use lab10;
2 select *from iamarks;
```

Result Grid

usrn	subcode	ssid	test1	test2	test3	finala
IBM19CS091	10CS81	CSE8C	15	16	18	NULL
IBM19CS091	10CS82	CSE8C	12	19	14	NULL
IBM19CS091	10CS83	CSE8C	19	15	20	NULL
NULL	NULL	NULL	NULL	NULL	NULL	NULL

iamarks 2 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
3	12:45:26	use lab10	0 row(s) affected	0.000 sec
4	12:45:26	select *from iamarks LIMIT 0, 1000	3 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.

Semsec:-

MySQL Workbench interface showing a query executed on the 'lab10' database. The query is:

```
1 use lab10;
2 select *from semsec;
```

The result grid displays the following data:

ssid	sem	sec
CSE4A	4	A
CSE4B	4	B
CSE4C	4	C
CSE6A	6	A
CSE6B	6	B
CSE6C	6	C
CSE8A	8	A
CSE8B	8	B
CSE8C	8	C

The output pane shows the following action output:

#	Time	Action	Message	Duration / Fetch
5	12:45:57	use lab10	0 row(s) affected	0.000 sec
6	12:45:57	select *from semsec LIMIT 0, 1000	9 row(s) returned	0.109 sec / 0.000 sec

Students:-

MySQL Workbench interface showing a query executed on the 'lab10' database. The query is:

```
1 use lab10;
2 select *from student;
```

The result grid displays the following data:

usn	sname	address	phone	gender
IBM19CS020	AKSHAY	BELAGAVI	8877881122	M
IBM19CS062	SANDHYA	BENGALURU	7722829912	F
IBM19CS066	SUPRIYA	MANGALURU	8877881122	F
IBM19CS091	TEESHA	BENGALURU	7712312312	F
IBM20CS010	ABHAY	BENGALURU	9900211201	M
IBM20CS011	AJAY	TUMKUR	9845091941	M
IBM20CS025	ASMI	BENGALURU	7894737377	F
IBM20CS032	BHASKAR	BENGALURU	9923211099	M

The output pane shows the following action output:

#	Time	Action	Message	Duration / Fetch
9	12:46:34	use lab10	0 row(s) affected	0.000 sec
10	12:46:34	select *from student LIMIT 0, 1000	8 row(s) returned	0.031 sec / 0.000 sec

Subjects:-

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Administration Schemas

Information

No object selected

Query 1

Limit to 1000 rows

```
1 use lab10;
2 select *from subjects;
```

Result Grid

subcode	title	sem	credits
10CS81	ACA	8	4
10CS82	SSM	8	4
10CS83	NM	8	4

subjects 5

Output

Action Output

#	Time	Action	Message	Duration / Fetch
11	12:47:11	use lab10	0 row(s) affected	0.000 sec
12	12:47:11	select *from subjects LIMIT 0, 1000	3 row(s) returned	0.032 sec / 0.000 sec

Object Info Session

SQLAdditions

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1)

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Administration Schemas

Information

No object selected

Query 1

Limit to 1000 rows

```
1 use lab10;
2 select * from student s where s.usn in (select c.usn from class c where c.ssid in (select ssid from semsec where sem='4' and sec='C'));
```

Result Grid

usn	sname	address	phone	gender
1BM20CS032	BHASKAR	BENGALLURU	9923211099	M

student 6

Output

Action Output

#	Time	Action	Message	Duration / Fetch
13	12:48:08	use lab10	0 row(s) affected	0.000 sec
14	12:48:08	select * from student s where s.usn in (select c.usn from class c where c.ssid in (select ssid from semsec where ...	1 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

SQLAdditions

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2)

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Query 1

```
1 use lab10;
2 select se.sem,se.sec,gender,count(gender) as 'number of students' from class c natural join student s natural join semsec se group by sem,sec;
3
```

Result Grid

	sem	sec	gender	number of students
4	A	F		1
4	A	M		1
4	B	F		1
4	C	M		1
8	A	M		1
8	B	F		1
8	C	F		1

Output

Action Output

#	Time	Action	Message	Duration / Fetch
15	12:48:38	use lab10	0 row(s) affected	0.000 sec
16	12:48:39	select se.sem,se.sec,gender,count(gender) as 'number of students' from class c natural join student s natural join semsec se group by sem,sec;	7 row(s) returned	0.015 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

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Query 1

```
1 SELECT * FROM lab10.marks;
```

Result Grid

	test1
15	
12	
19	

Output

Action Output

#	Time	Action	Message	Duration / Fetch
18	12:49:21	create view marks(test1) as select i.test1 from iamarks i where i.uan='1BM19CS091'	0 row(s) affected	0.172 sec
19	12:50:57	SELECT * FROM lab10.marks LIMIT 0, 1000	3 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.

View: marks

Columns: test1 int

4)

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lt1

Administration Schemas

Information

No object selected

Object Info Session

Query 1

Limit to 1000 rows

1 • use lab10;

2 • select * from iamarks;

Result Grid

usrn	subcode	ssid	test1	test2	test3	finalia
IBM19CS091	10CS81	CSEBC	15	16	18	17
IBM19CS091	10CS82	CSEBC	12	19	14	13
IBM19CS091	10CS83	CSEBC	19	15	20	20

SQLAdditions

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

Output

Action Output

#	Time	Action	Message	Duration / Fetch
3	12:53:55	use lab10	0 row(s) affected	0.000 sec
4	12:53:55	select * from iamarks LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

5)

MySQL Workbench

Local instance MySQL80

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Administration Schemas

Information

No object selected

Object Info Session

Query 1

Limit to 1000 rows

1 • use lab10;

2 • select s.usn,s.sname,s.address,s.phone,s.gender,(case when ia.finalia between 17 and 20 then 'outstanding' when ia.finalia between 12 and 16

Result Grid

usrn	sname	address	phone	gender	cat
IBM19CS091	TEESHA	BENGALLURU	7712312312	F	outstanding
IBM19CS091	TEESHA	BENGALLURU	7712312312	F	average
IBM19CS091	TEESHA	BENGALLURU	7712312312	F	outstanding

SQLAdditions

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

Output

Action Output

#	Time	Action	Message	Duration / Fetch
5	12:55:08	use lab10	0 row(s) affected	0.000 sec
6	12:55:08	select s.usn,s.sname,s.address,s.phone,s.gender,(case when ia.finalia between 17 and 20 then 'outstanding' ...	3 row(s) returned	0.000 sec / 0.000 sec