

Name: Akula Sathvika Sreemannarayana
Reg no: 20MIS0270
Assignment II

MySQL:
Inserting into table:

The screenshot shows the MySQL Workbench interface. The SQL Editor contains the following queries:

```
1 SELECT * FROM db1.emp;  
2  
3 insert into db1.emp values (1, "cse", "xyz", "hyderabad");  
4  
5 insert into db1.emp values (2, "cse", "cba", "mumbai");  
6  
7 insert into db1.emp values (3, "cse", "xyz", "delhi");  
8  
9  
10
```

The Result Grid shows the data inserted into the emp table:

sno	name	hodname	address
1	cse	xyz	hyderabad
2	cse	cba	mumbai
3	cse	xyz	delhi

The Action Output pane shows the execution of the queries:

#	Time	Action	Message	Duration / Fetch
5	18:12:45	SELECT * FROM db1.emp LIMIT 0, 1000	0 row(s) returned	0.032 sec / 0.000 sec
6	18:14:37	Apply changes to emp	Changes applied	
7	18:14:55	Apply changes to emp	No changes detected	
8	18:15:07	SELECT * FROM db1.emp LIMIT 0, 1000	0 row(s) returned	0.016 sec / 0.000 sec
9	18:17:32	SELECT * FROM db1.emp LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
10	18:17:32	insert into db1.emp values (1, "cse", "xyz", "hyderabad")	1 row(s) affected	0.000 sec
11	18:17:32	insert into db1.emp values (2, "cse", "cba", "mumbai")	1 row(s) affected	0.000 sec
12	18:17:32	insert into db1.emp values (3, "cse", "xyz", "delhi")	1 row(s) affected	0.016 sec

Updating table:

The screenshot shows the MySQL Workbench interface. The SQL Editor contains the following queries:

```
1 SELECT * FROM db1.emp;  
2  
3 update db1.emp set name="eee" where sno=1;  
4  
5  
6
```

The Result Grid shows the data in the emp table after the update:

sno	name	hodname	address
1	eee	xyz	hyderabad
2	cse	cba	mumbai
3	cse	xyz	delhi

The Action Output pane shows the execution of the queries:

#	Time	Action	Message	Duration / Fetch
8	18:15:07	SELECT * FROM db1.emp LIMIT 0, 1000	0 row(s) returned	0.016 sec / 0.000 sec
9	18:17:32	SELECT * FROM db1.emp LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
10	18:17:32	insert into db1.emp values (1, "cse", "xyz", "hyderabad")	1 row(s) affected	0.000 sec
11	18:17:32	insert into db1.emp values (2, "cse", "cba", "mumbai")	1 row(s) affected	0.000 sec
12	18:17:32	insert into db1.emp values (3, "cse", "xyz", "delhi")	1 row(s) affected	0.016 sec
13	18:18:06	SELECT * FROM db1.emp LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
14	18:22:03	SELECT * FROM db1.emp LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
15	18:22:03	update db1.emp set name="eee" where sno=1	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.016 sec
16	18:22:12	SELECT * FROM db1.emp LIMIT 0, 1000	3 row(s) returned	0.016 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80 x

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Navigator

SCHMAS

Filter objects

db1

Tables

emp

Views

Stored Procedures

Functions

sakila

sys

world

SQL File 4* emp x

Limit to 1000 rows

1 SELECT * FROM db1.emp;

2

3 update db1.emp set hodname="abc" where sno=2;

4

5 SELECT * FROM db1.emp;

6

7

8

Result Grid

sno	name	hodName	address
1	eee	xyz	hyderabad
2	cse	abc	mumbai
3	cse	xyz	delhi

Table: emp

Columns:

sno int PK

name varchar(4): PK

hodName varchar(4): PK

address varchar(4): PK

Object Info

Session

SQL Additions

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

Output

#	Time	Action	Message	Duration / Fetch
28	18:33:15	SELECT * FROM db1.emp LIMIT 0, 1000	3 row(s) returned	0.015 sec / 0.000 sec
29	18:33:15	drop emp	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server ve...	0.000 sec
30	18:33:15	SELECT * FROM db1.emp LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
31	18:33:49	SELECT * FROM db1.emp LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

Altering table:

MySQL Workbench

Local instance MySQL80 x

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SQL File 4* emp x

Limit to 1000 rows

1 SELECT * FROM db1.emp;

2

3 ALTER TABLE db1.emp

4 ADD Email varchar(45);

5

6 SELECT * FROM db1.emp;

7

8

9

Result Grid

sno	name	hodName	address	Email
1	eee	xyz	hyderabad	
2	cse	abc	mumbai	
3	cse	xyz	delhi	

Table: emp

Columns:

sno int PK

name varchar(4): PK

hodName varchar(4): PK

address varchar(4): PK

Object Info

Session

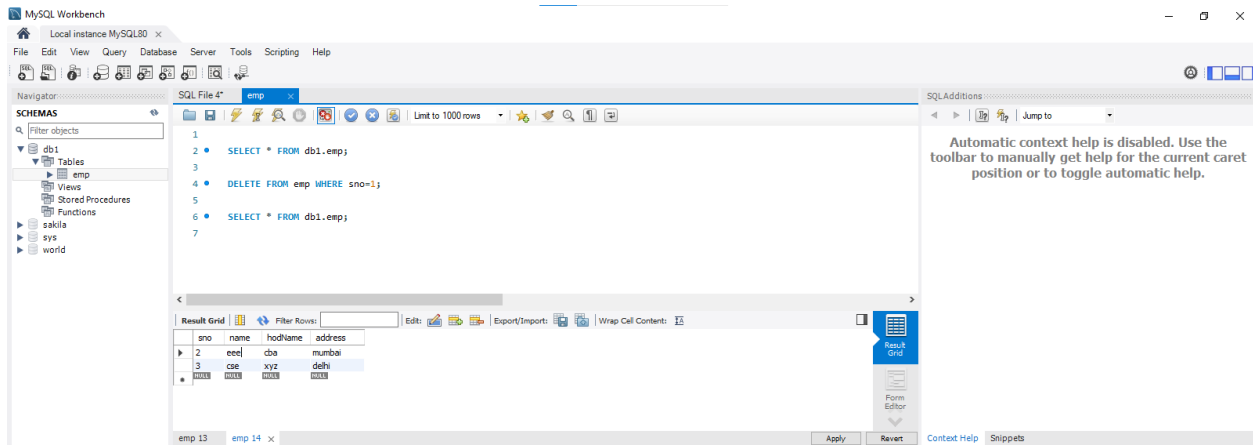
SQL Additions

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

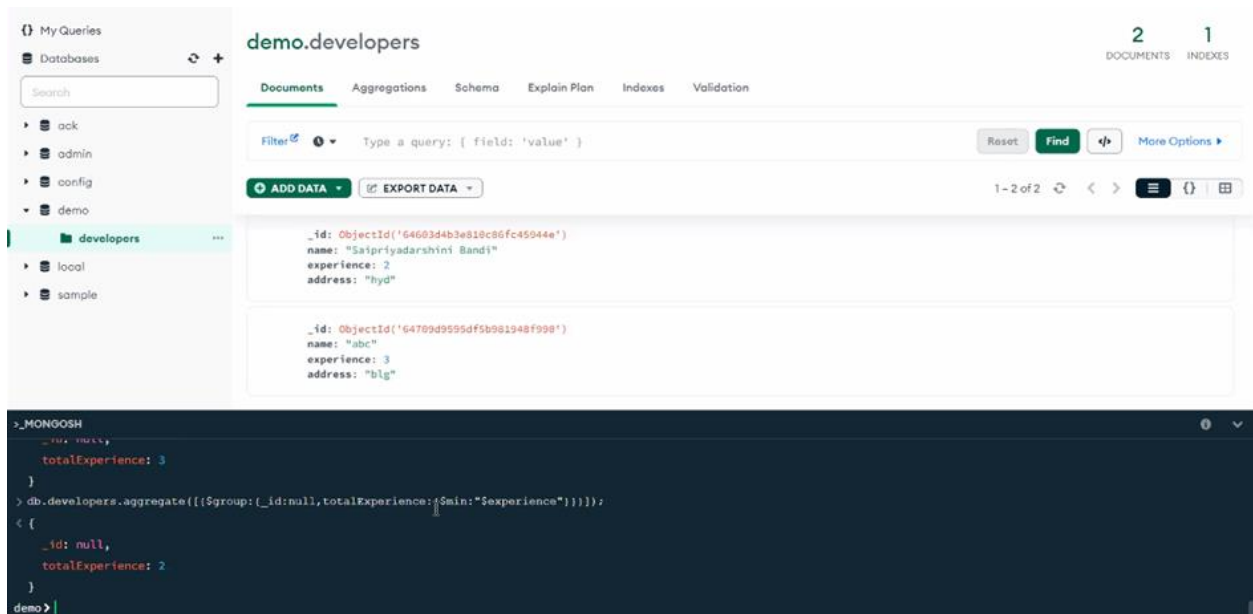
Output

#	Time	Action	Message	Duration / Fetch
36	18:39:04	SELECT * FROM db1.emp LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
37	18:41:13	SELECT * FROM db1.emp LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
38	18:41:13	ALTER TABLE db1.emp ADD Email varchar(45)	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.047 sec
39	18:41:13	SELECT * FROM db1.emp LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

Delete from table:



MangoDb



The screenshot shows the MongoDB Compass web interface. The top navigation bar includes tabs for Documents, Aggregations, Schema, Explain Plan, Indexes, and Validation. The main content area displays a list of documents in the 'demo.developers' collection. The first document is highlighted, showing its fields: _id, name, experience, and address. A mouse cursor is hovering over the 'address' field, which contains the value 'hyd'. Below the list, a detailed view of the selected document is shown. At the bottom, a terminal window displays the MongoDB shell command: > db.developers.aggregate([{\$match: {experience: {\$gte: 3}}}] and the resulting JSON output for the document with experience 3.