

NAME : LOPAMUDRA PATRO

SECTION : 3N

USN : 1WA24CS158

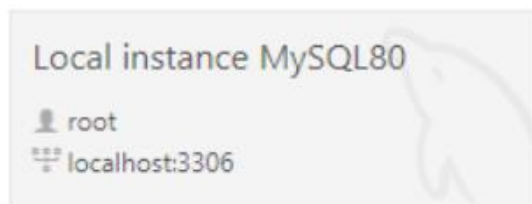
BATCH : BATCH-2(N2-ASK)

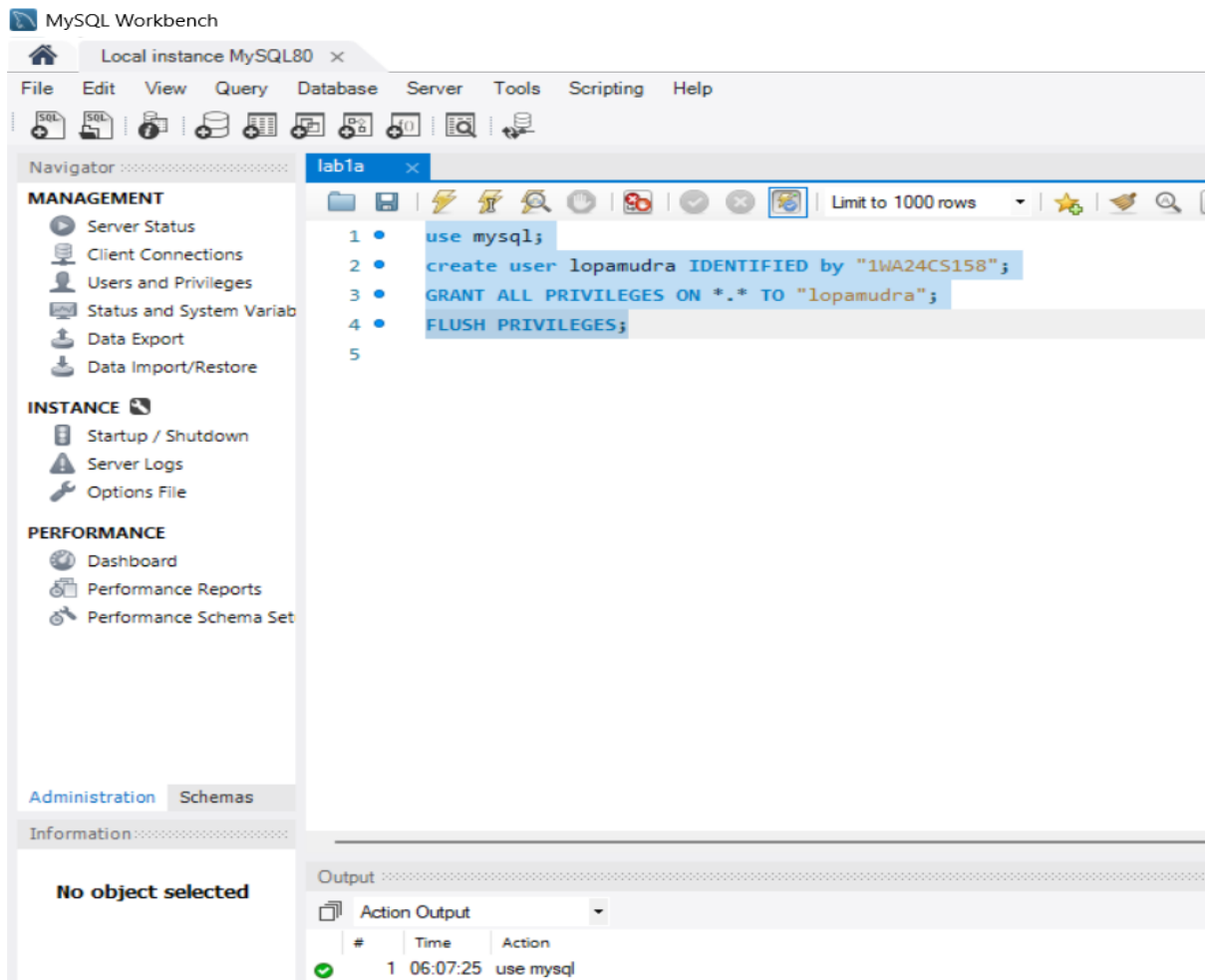
### **DBMS LAB WEEK-0 STUDENT DB**

**Q. Open mysql workbench click on the connection 'root' and enter the password 'bmsce' and you will be logged in to workbench and start typing the following and execute the queries one by one as given below**

- 1) How to switch to or access database : use mysql;
- 2) To create a new user : create user name IDENTIFIED BY "USN";
- 3) To grant permissions to a User to access database :  
GRANT ALL PRIVILEGES ON \*.\* TO "name";  
FLUSH PRIVILEGES;
- 4) To view the existing databases type following command and execute:  
  
show databases;

## **MySQL Connections**





**Q. Illustrate an example to create a table student, student table will contain the following attributes, stdid, stdname, dob, doj, fee, gender etc.**

***Write the following queries:***

- Describe the structure of the table.
- Insert a few records into the student table.
- Add a column to the student table (that is phone\_no).
- Modify the column name of phone\_no to student\_no.
- Rename the table name to student\_info
- To drop a column from the table
- Display the content of the table
- Delete any records from the table.

# MySQL Connections

Local instance MySQL80

 root  
 localhost:3306








1WA24S158

 lopamudra  
 127.0.0.1:3306

MySQL Workbench

1WA24S158 x

File Edit View Query Database Server Tools Scripting Help

Navigator

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File








PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

Administration Schemas

Q1


Limit to 1000 rows

```
1 • show databases;
2 • create database IF NOT exists newdatabase158;
3 • show databases;
4 • use newdatabase158;
5 • create table uno
6 • (
7 •   name varchar(20)
8 • );
9
10 • insert into uno values("Manu");
11
```

Result Grid

name
Manu

Filter Rows: Exports: Wrap Cell Content: 

Result 21 Result 22 uno 23 x

Output

Action Output

#	Time	Action	Message
✓ 51	06:03:09	create database IF NOT exists newdatabase158	1 row(s) affected
✓ 52	06:03:09	show databases	7 row(s) returned
✓ 53	06:03:09	use newdatabase158	0 row(s) affected
✓ 54	06:03:09	create table uno (name varchar(20))	0 row(s) affected
✓ 55	06:03:09	insert into uno values("Manu")	1 row(s) affected
✓ 56	06:03:09	select * from uno LIMIT 0, 1000	1 row(s) returned

Object Info Session

```
Q1 Q2 x Q2b 2c*
Limit to 1000 rows
1 • SHOW DATABASES;
2 • USE newdatabase158;
3 • DROP TABLE IF EXISTS STUDENT;
4 • DROP TABLE IF EXISTS STUDENT_INFO;
5
6 • CREATE TABLE STUDENT (
7     stid INT(5),
8     stname VARCHAR(20),
9     dob DATE,
10    doj DATE,
11    fee INT(5),
12    gender CHAR(1)
13 );
```

Result Grid | Filter Rows: | Edit: | Export/Import

	stid	stname	dob	doj	fee	gender
▶	1	SHAREEF	2001-01-10	2001-10-05	10000	M
	2	NADEEM	2019-11-30	2021-10-26	11000	M
✱	NULL	NULL	NULL	NULL	NULL	NULL

```
Q1 Q2 x Q2b 2c*
Limit to 1000 rows
12    gender CHAR(1)
13 );
14
15 • INSERT INTO STUDENT (stid, stname, dob, doj, fee, gender)
16 VALUES (1, 'SHAREEF', '2001-01-10', '2001-10-05', 10000, 'M');
17
18 • INSERT INTO STUDENT (stid, stname, dob, doj, fee, gender)
19 VALUES (2, 'NADEEM', '2019-11-30', '2021-10-26', 11000, 'M');
20
21 • ALTER TABLE STUDENT ADD phone_no VARCHAR(15);
22
```

Result Grid							
		Filter Rows:		Edit:		Export/Import:	
	stdid	sname	dob	doj	fee	gender	phone_no
▶	1	SHAREEF	2001-01-10	2001-10-05	10000	M	NULL
	2	NADEEM	2019-11-30	2021-10-26	11000	M	NULL
✱	NULL	NULL	NULL	NULL	NULL	NULL	NULL

```

25 • ALTER TABLE STUDENTDB
26 CHANGE phone_no student_no VARCHAR(15);
27 • SELECT * FROM STUDENT;
28
29

```

Result Grid							
		Filter Rows:		Edit:		Export/Impo	
	stdid	sname	dob	doj	fee	gender	student_no
▶	1	SHAREEF	2001-01-10	2001-10-05	10000	M	NULL
	2	NADEEM	2019-11-30	2021-10-26	11000	M	NULL
✱	NULL	NULL	NULL	NULL	NULL	NULL	NULL

After we drop a column (fee):

Q1

Q2

Q2b

2c\*

Limit to 1000 rows

🔍

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🔍

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22

23 • ALTER TABLE STUDENT CHANGE phone\_no student\_no VARCHAR(15);

24

25 • RENAME TABLE STUDENT TO STUDENT\_INFO;

26

27 • ALTER TABLE STUDENT\_INFO DROP COLUMN fee;

28

29 • SELECT \* FROM STUDENT\_INFO;

30

31 • DELETE FROM STUDENT\_INFO WHERE stdid = 2;

32

33 • SELECT \* FROM STUDENT\_INFO;

34

Result Grid

Filter Rows:

Export:

Wrap Cell Content: 1A

	stdid	sname	dob	doj	gender	student_no
▶	1	SHAREEF	2001-01-10	2001-10-05	M	NULL
	2	NADEEM	2019-11-30	2021-10-26	M	NULL

Result 1

STUDENT\_INFO 2

Output

Action Output

#

Time

Action

Message

243

07:01:14

ALTER TABLE STUDENT\_INFO DROP COLUMN fee

0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0

244

07:01:14

SELECT \* FROM STUDENT\_INFO LIMIT 0, 1000

2 row(s) returned

245

07:01:14

DELETE FROM STUDENT\_INFO WHERE stdid = 2

1 row(s) affected

Q1Q2Q2b2cQ3

Limit to 1000 rows

39

40 • SELECT \* FROM STUDENT\_INFO;

41

42 • DELETE FROM STUDENT\_INFO WHERE stdid = 2;

43

44 • SELECT \* FROM STUDENT\_INFO;

45

46 • DESC STUDENT\_INFO;

47

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Field	Type	Null	Key	Default	Extra
▶	stdid	int	NO	PRI	NULL	
	stname	varchar(20)	YES		NULL	
	dob	date	YES		NULL	
	doj	date	YES		NULL	
	gender	char(1)	YES		NULL	
	student_no	varchar(15)	YES		NULL	

✓

252 07:08:23 DESC STUDENT\_INFO

6 row(s) returned

Q1Q2Q2b2cQ3

36

•

RENAME TABLE STUDENT TO STUDENT\_INFO;

37

38

•

ALTER TABLE STUDENT\_INFO DROP COLUMN fee;

39

40

•

SELECT \* FROM STUDENT\_INFO;

41

42

•

DELETE FROM STUDENT\_INFO WHERE stdid = 2;

43

44

•

SELECT \* FROM STUDENT\_INFO;

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

Result 1

STUDENT\_INFO 2

STUDENT\_INFO 3

Output

Action Output