Name: Deepankar Sharma

Course: BCA

University Roll No: 2092014

Student Id: 20041299

Semester: 4

Date: March 2, 2022

#### Practical 01: Implementation of DDL Commands

<u>Objective:</u> Implementation of DDL commands of SQL with suitable examples

Create table Alter table Drop Table

#### 1. Create Table:

<u>Definition</u>— It creates the a new table in the sql database.

syntax-\_CREATE TABLE table\_name(column\_name|
data type,...., column name n data type);

#### Example:

Enter password: \*\*\*\*\*\*\*

Welcome to the MySQL monitor. Commands end with; or \g.

Your MySQL connection id is 9

Server version: 8.0.27 MySQL Community Server - GPL

Copyright (c) 2000, 2021, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>	show	data	bases	S;
+				-+
Datab	oase			
+   bca				-+
deepa	ankar			

```
| futureautodehradun | information_schema | mysql | performance_schema | sakila | sys | test | world |
```

10 rows in set (0.04 sec)

mysql> use bca; Database changed

mysql> show tables;

1 row in set (0.14 sec)

mysql> create table students(rollno INT, firstname varchar(20),
lastname varchar(20));

Query OK, 0 rows affected (2.07 sec)

mysql> desc students;

+	Туре	   Null	+   Key	Default	   Extra
firstname	int varchar(20) varchar(20)	YES   YES   YES	     	NULL NULL NULL	       

3 rows in set (0.09 sec)

### 2. Alter Table:

<u>Definition</u>— It used to add a column to an existing table in the sql database.

syntax- ALTER TABLE table name ADD column name datatype[(size)];

# Example:

mysq1> ALTER TABLE students ADD (age INT, semester INT);

Query OK, 0 rows affected (0.81 sec)

Records: 0 Duplicates: 0 Warnings: 0

## mysql> desc students;

Field	Туре	   Null	Key	Default	   Extra
:	int varchar(20) varchar(20) int int	YES   YES   YES   YES   YES		NULL NULL NULL NULL NULL	

5 rows in set (0.03 sec)

 $\verb|mysq1>| \verb|ALTER|| \verb|TABLE|| students|| \verb|RENAME|| \verb|COLUMN|| semester|| \verb|TO|| sem||;$ 

Query OK, 0 rows affected (0.37 sec)

Records: 0 Duplicates: 0 Warnings: 0

### mysql> desc students;

Field	Туре	Nu11 	Key	Default	Extra
rollno firstname lastname age sem	int varchar(20) varchar(20) int int	YES   YES   YES   YES   YES		NULL NULL NULL NULL NULL	

5 rows in set (0.07 sec)

mysql> ALTER TABLE students RENAME TO bca\_students;
Query OK, O rows affected (0.73 sec)

# mysql> desc bca\_students;

Field	Туре	   Null	Key	Default	Extra   
firstname lastname	int varchar(20) varchar(20) int	YES YES YES YES		NULL NULL NULL NULL	

mysql> ALTER TABLE bca\_students DROP COLUMN age, DROP COLUMN sem;

Query OK, 0 rows affected (2.47 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc bca students;

+		+   Null	+   Key	Default	   Extra
•	int varchar(20) varchar(20)	•		NULL NULL NULL	

3 rows in set (0.04 sec)

#### 3. Drop Table:

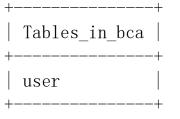
<u>Definition</u>— It is used to delete/removes the table and the structures, views, Permissions associated with that table.

syntax- DROP TABLE table\_name;

### Example:

mysq1> DROP TABLE bca\_students;
Query OK, 0 rows affected (0.98 sec)

mysql> show tables;



1 row in set (0.00 sec)

mysq1