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Course: BCA

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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

#### Output:

#### 1. Create Table:

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

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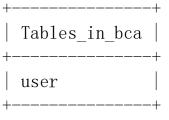
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

# 

```
mysq1
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;

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

3 rows in set (0.09 sec)

## 2. Alter Table:

mysql> 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;

	L		L	L	
Field	Type	Null	Key	Default	Extra
rollno firstname lastname age semester	int   varchar(20)   varchar(20)   int   int	YES   YES   YES   YES   YES		NULL   NULL   NULL   NULL   NULL	
+	<del> </del>	+	<del> </del>	<b> </b>	++

5 rows in set (0.03 sec)

mysql> ALTER TABLE students RENAME COLUMN semester TO sem; Query OK, O rows affected (0.37 sec)

Records: 0 Duplicates: 0 Warnings: 0

### mysql> desc students;

+	L	<b></b>	L		
Field	Туре	Null	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	
+	<u> </u>	+	<del> </del>		<del></del>

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	+   Type	+   Null	+   Key	Default	   Extra
	int	YES	   	NULL	
firstname   lastname	varchar(20)   varchar(20)	YES   YES	 	NULL   NULL	
age	int	YES		NULL	

sem		int		YES		NULL	
+	+-		+		+	<del> </del>	++
5 rows	in set	(0.00	sec)				

mysql> ALTER TABLE bca\_students DROP COLUMN age, DROP COLUMN sem; Query OK, O rows affected (2.47 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc bca students ;

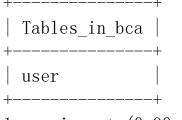
+	Туре	+   Null	   Key	Default	++   Extra   
rollno firstname lastname	int varchar(20) varchar(20)	YES   YES   YES		NULL NULL NULL	

3 rows in set (0.04 sec)

## 3. <u>Drop Table:</u>

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

mysql> show tables;



1 row in set (0.00 sec)

mysq1