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### Practical 01: Implementation of DDL Commands

**Objective:** 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.

```
mysql> show databases;
```

```
+-----+  
| Database |  
+-----+  
| bca      |  
| deepankar |  
| 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;

+-----+	
Tables_in_bca	
+-----+	
user	
+-----+	

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	Type	Null	Key	Default	Extra	
+-----+-----+-----+-----+-----+-----+						
rollno	int	YES		NULL		
firstname	varchar(20)	YES		NULL		
lastname	varchar(20)	YES		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;
```

Field	Type	Null	Key	Default	Extra
rollno	int	YES		NULL	
firstname	varchar(20)	YES		NULL	
lastname	varchar(20)	YES		NULL	
age	int	YES		NULL	
semester	int	YES		NULL	

5 rows in set (0.03 sec)

```
mysql> ALTER TABLE students RENAME COLUMN semester TO sem;
```

Query OK, 0 rows affected (0.37 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> desc students;
```

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

5 rows in set (0.07 sec)

```
mysql> ALTER TABLE students RENAME TO bca_students;
```

Query OK, 0 rows affected (0.73 sec)

```
mysql> desc bca_students;
```

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

sem	int	YES		NULL	
+	+	+	+	+	+

5 rows in set (0.00 sec)

```
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 ;
```

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

3 rows in set (0.04 sec)

### 3. Drop Table:

```
mysql> DROP TABLE bca_students;
Query OK, 0 rows affected (0.98 sec)
```

```
mysql> show tables;
```

+	+
Tables_in_bca	
+	+
user	
+	+

1 row in set (0.00 sec)

```
mysql>
```