

## Third Year B. Tech (EL & CE)

**Semester: V**

**Subject: Data Base Management System**

**Name: Shreerang Mhatre**

**Class: TY**

**Roll No: 52**

**Batch: A3**

### Experiment No: 03

**Name of the Experiment: SQL- DDL Commands**

**Performed on: 13/09/2023**

**Submitted on: 27/09/2023**

#### Problem Statement:

Company Database and SQL- DDL Commands continuation (rename, alter, truncate)

Code:

```
MySQL 8.0 Command Line Client - Unicode
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 12
Server version: 8.0.34 MySQL Community Server - GPL

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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 DATABASES;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sakila |
| sys |
| world |
+-----+
6 rows in set (0.00 sec)

mysql> CREATE DATABASE Company;
Query OK, 1 row affected (0.00 sec)

mysql> USE Company;
Database changed
mysql> CREATE TABLE Employ(employ_id int(20), name varchar(40), salary int(10), address varchar(40), contact_number int(10), primary key(employ_id));
Query OK, 0 rows affected, 3 warnings (0.01 sec)

mysql> CREATE TABLE Project(P_id int(10), project_name varchar(10), dept char(10), primary key(P_id));
Query OK, 0 rows affected, 1 warning (0.01 sec)

mysql> SHOW TABLES;
+-----+
| Tables_in_company |
+-----+
| employ |
| project |
+-----+
2 rows in set (0.00 sec)

mysql> DESC Employ
+-----+
-> AC
mysql> DESC Project;
```

```
MySQL 8.0 Command Line Client - Unicode
project
-----
2 rows in set (0.00 sec)

mysql> DESC Employ
-> AC
mysql> DESC Employ;
+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+
| employ_id  | int           | NO   | PRI | NULL    |       |
| name       | varchar(40)   | YES  |     | NULL    |       |
| salary     | int           | YES  |     | NULL    |       |
| address    | varchar(40)   | YES  |     | NULL    |       |
| contact_number | int         | YES  |     | NULL    |       |
+-----+
5 rows in set (0.00 sec)

mysql> RENAME TABLE Project TO on_going_projects;
Query OK, 0 rows affected (0.01 sec)

mysql> SHOW TABLES;
+-----+
| Tables_in_company |
+-----+
| employ            |
| on_going_projects |
+-----+
2 rows in set (0.00 sec)

mysql> ALTER TABLE Employ add gender varchar(20);
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> DESC Employ;
+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+
| employ_id  | int           | NO   | PRI | NULL    |       |
| name       | varchar(40)   | YES  |     | NULL    |       |
| salary     | int           | YES  |     | NULL    |       |
| address    | varchar(40)   | YES  |     | NULL    |       |
| contact_number | int         | YES  |     | NULL    |       |
| gender     | varchar(20)   | YES  |     | NULL    |       |
+-----+
6 rows in set (0.00 sec)

mysql> TRUNCATE TABLE Employ;
Query OK, 0 rows affected (0.01 sec)
```

```
MySQL 8.0 Command Line Client - Unicode
6 rows in set (0.00 sec)

mysql> TRUNCATE TABLE Employ;
Query OK, 0 rows affected (0.01 sec)

mysql> DESC Employ;
+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+
| employ_id  | int           | NO   | PRI | NULL    |       |
| name       | varchar(40)   | YES  |     | NULL    |       |
| salary     | int           | YES  |     | NULL    |       |
| address    | varchar(40)   | YES  |     | NULL    |       |
| contact_number | int         | YES  |     | NULL    |       |
| gender     | varchar(20)   | YES  |     | NULL    |       |
+-----+
6 rows in set (0.00 sec)

mysql> SHOW TABLES;
+-----+
| Tables_in_company |
+-----+
| employ            |
| on_going_projects |
+-----+
2 rows in set (0.00 sec)

mysql> DESC on_going_projects;
+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+
| P_id       | int           | NO   | PRI | NULL    |       |
| project_name | varchar(10)   | YES  |     | NULL    |       |
| dept       | char(10)      | YES  |     | NULL    |       |
+-----+
3 rows in set (0.00 sec)

mysql> DROP TABLE on_going_projects;
Query OK, 0 rows affected (0.01 sec)

mysql> SHOW TABLES;
+-----+
| Tables_in_company |
+-----+
| employ            |
+-----+
1 row in set (0.00 sec)

mysql> DROP DATABASE Company;
Query OK, 1 row affected (0.01 sec)
```

```
MySQL 8.0 Command Line Client - Unicode
mysql> SHOW TABLES;
+-----+
| Tables_in_company |
+-----+
| employ            |
| on_going_projects |
+-----+
2 rows in set (0.00 sec)

mysql> DESC on_going_projects;
+----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+----+-----+-----+-----+-----+-----+
| P_id       | int           | NO   | PRI | NULL    |       |
| project_name | varchar(10)   | YES  |     | NULL    |       |
| dept       | char(10)      | YES  |     | NULL    |       |
+----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> DROP TABLE on_going_projects;
Query OK, 0 rows affected (0.01 sec)

mysql> SHOW TABLES;
+-----+
| Tables_in_company |
+-----+
| employ            |
+-----+
1 row in set (0.00 sec)

mysql> DROP DATABASE Company;
Query OK, 1 row affected (0.01 sec)

mysql> SHOW DATABASES;
+-----+
| Database |
+-----+
| information_schema |
| mysql        |
| performance_schema |
| sakila       |
| sys         |
| world       |
+-----+
6 rows in set (0.00 sec)

mysql> _
```

## Post Lab Questions:

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Company Database and SQL-DDL  
Commands continuation (rename,  
alter, truncate)

Database information - schema mysql Performance - schema sys
--

create database company;  
use company;  
Data base changed.

Create table employee (employ\_id int(10),  
name varchar(40), salary int(10),  
address varchar(40), contact\_number int(10),  
primary key (employee\_id));

create table Project (Pid int(10),  
Project-name varchar(10), dept char(10),  
Primary key (Pid));

~~Show tables;~~



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Tables in company  
employ  
Project

desc employ;

field	Type	null	key	Default.
employ_id	int	No	PRI	NULL
name	varchar(40)	yes		NULL
salary	int	yes		NULL
address	varchar(40)	yes		NULL
contact_number	int	yes		NULL

• Syntax →

rename table old table name to  
new table name

rename table Project to on-going project

show tables;

Tables in company  
employ  
on-going Projects

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Syntax → Alter table name  
add (col datatype);

alter table employ add gender varchar(20);  
desc employ;

Field Type NULL KEY default extra

Field	Type	NULL	KEY	default	extra
employ id	int	No			PRI NULL
name	varchar(40)	Yes			NULL
salary	int	Yes			NULL
address	varchar(40)	Yes			NULL
contact-numb	int	Yes			NULL

truncate table employ;

show tables;

Tables in company
employ
on-going - Projects

desc on-going projects;

Field Type NULL key default Extra

Field	Type	NULL	key	default	Extra
Pid	int	No	PRI		NULL
Projectname	varchar(40)	Yes			NULL
dept	char(10)	Yes			NULL



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drop table on-going-projects;  
show tables;

Tables in company
employ

drop database company;

show databases;

Database
information - schema
mysql
Performance - schema
Sys

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