Third Year B. Tech (EL & CE)

Semester: V

Subject: Data Base Management System

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Class: TY

Roll No: 52

Batch: A3

Experiment No: 03

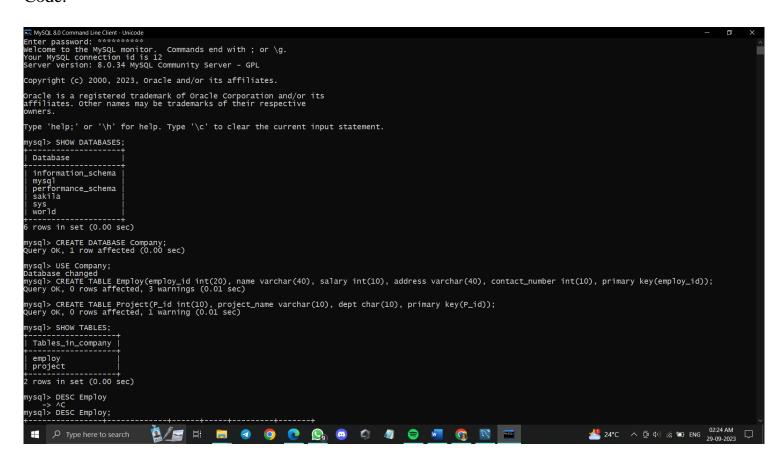**Name of the Experiment**: **SQL- DDL Commands**

Performed on: 13/09/2023

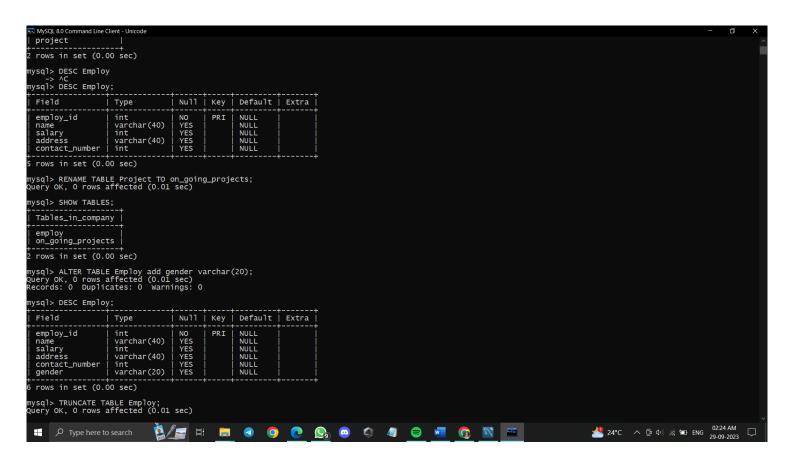**Submitted on: 27/09/2023**

Problem Statement:
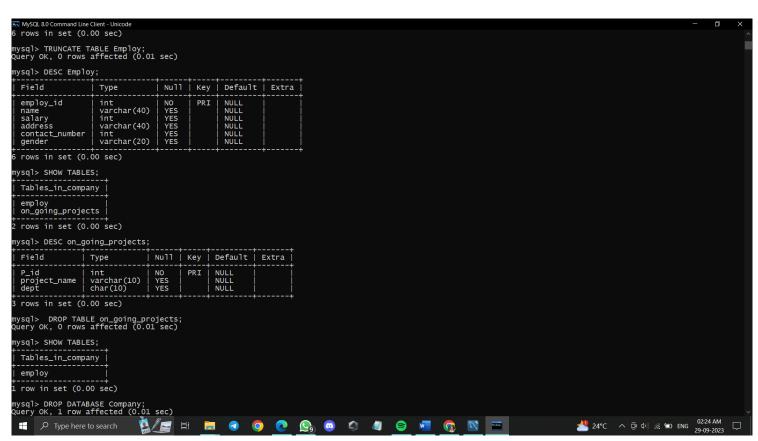Company Database and SQL- DDL Commands continuation (rename, alter, truncate)
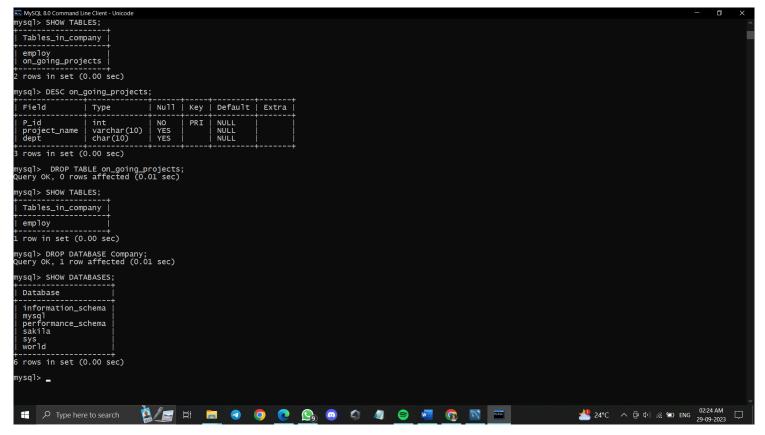
Code:

```
| project         |
+-----------------+
2 rows in set (0.00 sec)

mysql> DESC Employ
    -> ^C
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)
```

```
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:

Exp 3

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 (employe_id));

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

Show tables;

Tables _ in _ company
emplo y
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

Syntax → Alter table name
add (col datatype());

alter table employ add gender varchar(20);

desc employ;

Field	Type	NULL	KEY	Default	~~a~~ 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	

~~t~~
truncate table employ;

show tables;

Tables in company
employ
on going - Projects

desc on-going projects;

field	Type	NULL	key	Default	Extra
Pid	int	NO	PRI	NULL	
Projectname	varchar(10)	Yes		NULL	
dept	char (10)	yes		NULL	

drop table on-going projects;
show tables;

```
Tables in company
employ
```

drop database company;

show databases;

```
Database
information_schemia
mysql
Performance_schema
sys
```

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