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: 04

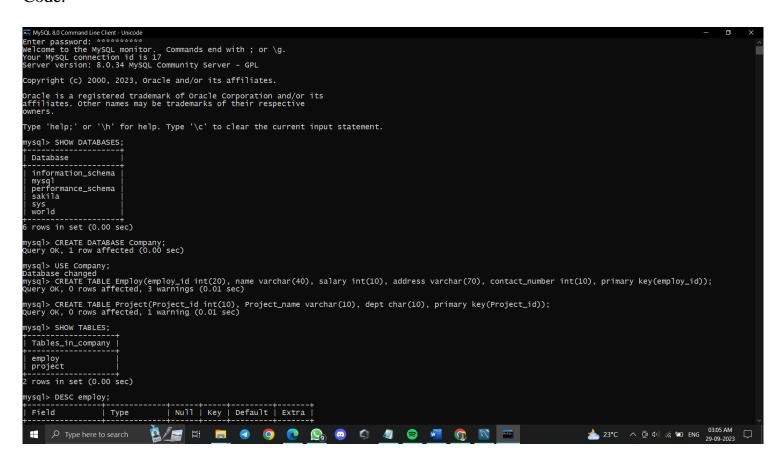**Name of the Experiment**: **SQL DML Statements**
Performed on: 13/09/2023
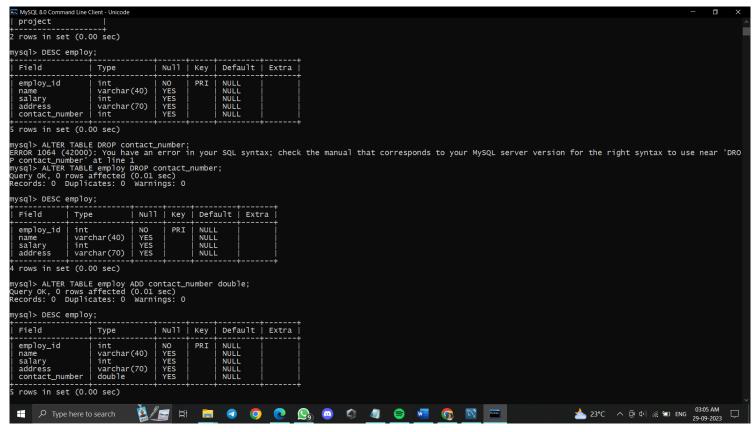
Submitted on: 27/09/2023

Problem Statement:
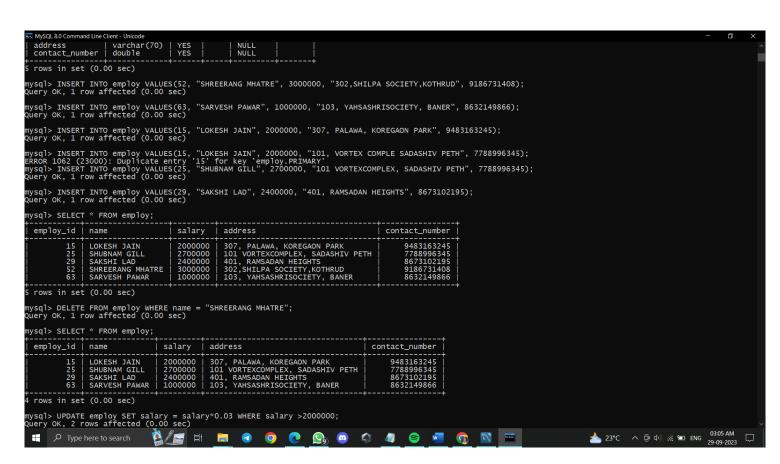(INSERT,UPDATE,DELETE and SELECT QUERY) on Company Database)
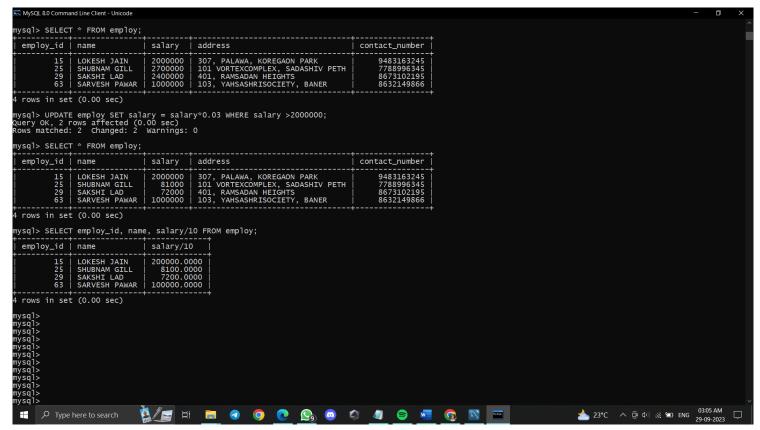
Code:

```
| project            |
+--------------------+
2 rows in set (0.00 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(70) | YES  |     | NULL    |       |
| contact_number | int         | YES  |     | NULL    |       |
+----------------+-------------+------+-----+---------+-------+
5 rows in set (0.00 sec)

mysql> ALTER TABLE DROP contact_number;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'DROP contact_number' at line 1
mysql> ALTER TABLE employ DROP contact_number;
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(70) | YES  |     | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
4 rows in set (0.00 sec)

mysql> ALTER TABLE employ ADD contact_number double;
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(70) | YES  |     | NULL    |       |
| contact_number | double      | YES  |     | NULL    |       |
+----------------+-------------+------+-----+---------+-------+
5 rows in set (0.00 sec)
```

```
| address        | varchar(70) | YES  |     | NULL    |       |
| contact_number | double      | YES  |     | NULL    |       |
+----------------+-------------+------+-----+---------+-------+
5 rows in set (0.00 sec)

mysql> INSERT INTO employ VALUES(52, "SHREERANG MHATRE", 3000000, "302,SHILPA SOCIETY,KOTHRUD", 9186731408);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO employ VALUES(63, "SARVESH PAWAR", 1000000, "103, YAHSASHRISOCIETY, BANER", 8632149866);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO employ VALUES(15, "LOKESH JAIN", 2000000, "307, PALAWA, KOREGAON PARK", 9483163245);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO employ VALUES(15, "LOKESH JAIN", 2000000, "101, VORTEX COMPLE SADASHIV PETH", 7788996345);
ERROR 1062 (23000): Duplicate entry '15' for key 'employ.PRIMARY'
mysql> INSERT INTO employ VALUES(25, "SHUBNAM GILL", 2700000, "101 VORTEXCOMPLEX, SADASHIV PETH", 7788996345);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO employ VALUES(29, "SAKSHI LAD", 2400000, "401, RAMSADAN HEIGHTS", 8673102195);
Query OK, 1 row affected (0.00 sec)

mysql> SELECT * FROM employ;
+-----------+------------------+---------+----------------------------------+----------------+
| employ_id | name             | salary  | address                          | contact_number |
+-----------+------------------+---------+----------------------------------+----------------+
|        15 | LOKESH JAIN      | 2000000 | 307, PALAWA, KOREGAON PARK        |     9483163245 |
|        25 | SHUBNAM GILL     | 2700000 | 101 VORTEXCOMPLEX, SADASHIV PETH  |     7788996345 |
|        29 | SAKSHI LAD       | 2400000 | 401, RAMSADAN HEIGHTS             |     8673102195 |
|        52 | SHREERANG MHATRE | 3000000 | 302,SHILPA SOCIETY,KOTHRUD        |     9186731408 |
|        63 | SARVESH PAWAR    | 1000000 | 103, YAHSASHRISOCIETY, BANER      |     8632149866 |
+-----------+------------------+---------+----------------------------------+----------------+
5 rows in set (0.00 sec)

mysql> DELETE FROM employ WHERE name = "SHREERANG MHATRE";
Query OK, 1 row affected (0.00 sec)

mysql> SELECT * FROM employ;
+-----------+---------------+---------+----------------------------------+----------------+
| employ_id | name          | salary  | address                          | contact_number |
+-----------+---------------+---------+----------------------------------+----------------+
|        15 | LOKESH JAIN   | 2000000 | 307, PALAWA, KOREGAON PARK        |     9483163245 |
|        25 | SHUBNAM GILL  | 2700000 | 101 VORTEXCOMPLEX, SADASHIV PETH  |     7788996345 |
|        29 | SAKSHI LAD    | 2400000 | 401, RAMSADAN HEIGHTS             |     8673102195 |
|        63 | SARVESH PAWAR | 1000000 | 103, YAHSASHRISOCIETY, BANER      |     8632149866 |
+-----------+---------------+---------+----------------------------------+----------------+
4 rows in set (0.00 sec)

mysql> UPDATE employ SET salary = salary*0.03 WHERE salary >2000000;
Query OK, 2 rows affected (0.00 sec)
```

```
MySQL 8.0 Command Line Client - Unicode

mysql> SELECT * FROM employ;
+-----------+----------------+---------+------------------------------------+----------------+
| employ_id | name           | salary  | address                            | contact_number |
+-----------+----------------+---------+------------------------------------+----------------+
|        15 | LOKESH JAIN    | 2000000 | 307, PALAWA, KOREGAON PARK         |     9483163245 |
|        25 | SHUBNAM GILL   | 2700000 | 101 VORTEXCOMPLEX, SADASHIV PETH   |     7788996345 |
|        29 | SAKSHI LAD     | 2400000 | 401, RAMSADAN HEIGHTS             |     8673102195 |
|        63 | SARVESH PAWAR  | 1000000 | 103, YAHSASHRISOCIETY, BANER       |     8632149866 |
+-----------+----------------+---------+------------------------------------+----------------+
4 rows in set (0.00 sec)

mysql> UPDATE employ SET salary = salary*0.03 WHERE salary >2000000;
Query OK, 2 rows affected (0.00 sec)
Rows matched: 2  Changed: 2  Warnings: 0

mysql> SELECT * FROM employ;
+-----------+----------------+---------+------------------------------------+----------------+
| employ_id | name           | salary  | address                            | contact_number |
+-----------+----------------+---------+------------------------------------+----------------+
|        15 | LOKESH JAIN    | 2000000 | 307, PALAWA, KOREGAON PARK         |     9483163245 |
|        25 | SHUBNAM GILL   |   81000 | 101 VORTEXCOMPLEX, SADASHIV PETH   |     7788996345 |
|        29 | SAKSHI LAD     |   72000 | 401, RAMSADAN HEIGHTS             |     8673102195 |
|        63 | SARVESH PAWAR  | 1000000 | 103, YAHSASHRISOCIETY, BANER       |     8632149866 |
+-----------+----------------+---------+------------------------------------+----------------+
4 rows in set (0.00 sec)

mysql> SELECT employ_id, name, salary/10 FROM employ;
+-----------+----------------+-------------+
| employ_id | name           | salary/10   |
+-----------+----------------+-------------+
|        15 | LOKESH JAIN    | 200000.0000 |
|        25 | SHUBNAM GILL   |   8100.0000 |
|        29 | SAKSHI LAD     |   7200.0000 |
|        63 | SARVESH PAWAR  | 100000.0000 |
+-----------+----------------+-------------+
4 rows in set (0.00 sec)

mysql>
mysql>
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mysql>
```

Post Lab Questions:

SQL DML statements

Insert, update, delete & select query on company Database.

=) desc employ;

field	Type	NULL	Key	Default	Extra
id	int	NO	PRI		NULL
name	varchar(40)	yes			NULL
salary	int	yes			NULL
address	varchar(70)	yes			NULL
contact	double	yes			NULL

insert into instructor values (attributes values);

insert into employ values (52, "shreerang Mhatre", 30,00,000, "302, Shilpa Society, kothrud", 9186731408);

insert into employ values (63, "sanvesh pawar", 10,00,000, "103, Yashashri society, Baner", 8632149866);

insert into employ values (15, "Lokesh Jain", 20,00,000, "307, Palawa, koregaon Park", 9483163245);

insert into employ values (25, "shubham gill", 27,00,000, "101, Vortex comp. Sadashiv Peth", 7786996345);

insert into employ values (69, "sakshi lad", 24,00,000, "401, RamSadan Heights", 8673410219);

- Select* from table_name;

select* from employ;

id	name	salary	address	contact
52	shreerang mhatre	30,00,000	302, shilpa society, kothrud	9186731402
63	sarvesh Pawar	10,00,000	103, Yashashri society, Baner	8632149856
15	Lokesh Jain	20,00,000	307, Palawa, Koregaon Park	9483163245
25	shubham gill	27,00,000	101, vortex complex Sadashir peth	7788996345
69	sakshi lad	24,00,000	401, RamSadan Heights	8673410219

- delete from table_name where attribute = "value";

delete from employ where name = "shreerang mhatre";

Select * from employ;

id	name	salary	address	contact
63	Sarvesh Pawar	— // —		— // —
15	Lokesh Jain	— // —		— // —
25	Shubhnam Gill	— // —		— // —
69	Sakshi lad	— // —		— // —

- Update table_name set atribute
  = atribute * . n where
  atribute > x;

Update employ set salary = salary * 0.03
  where salary > 50,00,000;

Rows matched: 3   changed 3 warnings: 0

select * from employ;

id	name	salary	address	contact
63	Sarvesh Pawar	3,00,000		— // —
15	Lokesh Jain	6,00,000		
25	Shubhnam Gill	9,00,000		
69	Sakshi lad	8,00,000		

- Select attribute1, attribute2, from table name

select id, name, salary from employ

id	name	salary
63	Sarvesh Pawar	3,00,000
15	Lokesh Jain	6,00,000
25	Shubnam Gill	9,00,000
69	Sakshi Lad	8,00,000