

## Assignment\_3

Enter password: \*\*\*\*\*

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 11

Server version: 8.0.37 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
college
employee
information_schema
lab_assignment
mysql
performance_schema
sakila
sys
world

9 rows in set (0.00 sec)

```
mysql> use lab_assignment;
```

Database changed

```
mysql> CREATE TABLE Teacher (
```

```
->     Id INT,
->     Name VARCHAR(50),
->     DeptNo INT,
->     Date_of_joining DATE,
->     DeptName VARCHAR(50),
->     Location VARCHAR(50),
->     Salary DECIMAL(10, 2)
-> );
```

Query OK, 0 rows affected (0.04 sec)

```
mysql> INSERT INTO Teacher (Id, Name, DeptNo, Date_of_joining, DeptName, Location, Salary)
```

```
-> VALUES
```

```
-> (1, 'Alice Johnson', 101, '2020-01-15', 'Mathematics', 'Springfield', 50000.00),
```

```
-> (2, 'Bob Smith', 102, '2019-06-10', 'Commerce', 'Lincoln', 48000.00),
```

```
-> (3, 'Charlie Brown', 101, '2021-08-23', 'Mathematics', 'Madison', 52000.00),
```

```
-> (4, 'Diana Prince', 103, '2018-11-05', 'Physics', 'Salem', 55000.00),
```

```
-> (5, 'Eve Adams', 102, '2022-02-28', 'Commerce', 'Reno', 47000.00);
```

Query OK, 5 rows affected (0.02 sec)

Records: 5 Duplicates: 0 Warnings: 0

```
mysql> START TRANSACTION;
```

Query OK, 0 rows affected (0.00 sec)

```
mysql> UPDATE Teacher
      -> SET Salary = Salary * 1.25
      -> WHERE DeptName = 'Mathematics';
Query OK, 2 rows affected (0.00 sec)
Rows matched: 2  Changed: 2  Warnings: 0
```

```
mysql> SELECT * FROM Teacher WHERE DeptName = 'Mathematics';
+-----+-----+-----+-----+-----+-----+
+-----+
| Id   | Name           | DeptNo | Date_of_joining | DeptName | Location |
Salary |
+-----+-----+-----+-----+-----+-----+
+-----+
| 1   | Alice Johnson | 101   | 2020-01-15      | Mathematics | Springfield |
62500.00 |
| 3   | Charlie Brown | 101   | 2021-08-23      | Mathematics | Madison    |
65000.00 |
+-----+-----+-----+-----+-----+-----+
+-----+
2 rows in set (0.00 sec)
```

```
mysql> ROLLBACK;
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> SELECT * FROM Teacher WHERE DeptName = 'Mathematics';
+-----+-----+-----+-----+-----+-----+
+-----+
| Id   | Name           | DeptNo | Date_of_joining | DeptName | Location |
Salary |
+-----+-----+-----+-----+-----+-----+
+-----+
| 1   | Alice Johnson | 101   | 2020-01-15      | Mathematics | Springfield |
50000.00 |
| 3   | Charlie Brown | 101   | 2021-08-23      | Mathematics | Madison    |
52000.00 |
+-----+-----+-----+-----+-----+-----+
+-----+
2 rows in set (0.00 sec)
```

```
mysql> START TRANSACTION;
Query OK, 0 rows affected (0.00 sec)
```

```
mysql>
mysql> UPDATE Teacher
      -> SET Salary = Salary * 1.15
      -> WHERE DeptName = 'Commerce';
Query OK, 2 rows affected (0.00 sec)
Rows matched: 2  Changed: 2  Warnings: 0
```

```
mysql> SELECT * FROM Teacher WHERE DeptName = 'Commerce';
+-----+-----+-----+-----+-----+-----+-----+
| Id   | Name           | DeptNo | Date_of_joining | DeptName | Location | Salary |
+-----+-----+-----+-----+-----+-----+-----+
| 2   | Bob Smith      | 102   | 2019-06-10      | Commerce | Lincoln  | 55200.00 |
| 5   | Eve Adams      | 102   | 2022-02-28      | Commerce | Reno     | 54050.00 |
+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

```
mysql> COMMIT;
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> SELECT * FROM Teacher WHERE DeptName = 'Commerce';
```

Id	Name	DeptNo	Date_of_joining	DeptName	Location	Salary
2	Bob Smith	102	2019-06-10	Commerce	Lincoln	55200.00
5	Eve Adams	102	2022-02-28	Commerce	Reno	54050.00

2 rows in set (0.00 sec)

```
mysql>
```