SQL LAB-3
RDBMS, MYSQL

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QUESTIONS

Lab 1. For this assignment, please use the same tables created in your previous

lab session.

Task 1: Update the Student table with the following information:

Change the email to 'jane_Smith@example.com'

Where FirstName is 'Jane' and LastName is 'Smith';

Update the Instructor with the following information:

Change the email to 'rogerwhite@example.com'

Where FirstName of the instructor is 'Roger' and LastName is 'White';

Task 2:

Delete record from the Student table on following condition:

Delete student/students records from the Student table where last name is Smith.

Task 3: List the student whose first name starts with J.

Task 1: Update the Student table with the following information:

➢ Change the email to 'jane_Smith@example.com 'Where FirstName is 'Jane' and LastName is 'Smith';

   Code:-

   -- The below query updates the email address of a student named Jane Smith to jane_Smith@example.com

```
mysql> Update students set Email='jane_Smith@example.com' where FirstName='Jane' And LastName='Smith';
Query OK, 1 row affected (0.04 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

   Output:-

```
mysql> select *from students;
+-----------+-----------+----------+------------+--------+--------------------------+------------+
| StudentID | FirstName | LastName | DateOfBirth | Gender | Email                    | Phone      |
+-----------+-----------+----------+------------+--------+--------------------------+------------+
|       481 | Rajitha   | Lingutla | 2002-06-21 | Female | rajitha@gmail.com        | 1934756782 |
|       482 | Jane      | Smith    | 1999-02-20 | Male   | jane_Smith@example.com   | 8987654329 |
|       483 | Cara      | Wins     | 2001-03-25 | Female | cara.wins@example.com    | 1122334458 |
|       484 | David     | Johnson  | 2002-04-30 | Male   | david.johnson@example.com | 2233445568 |
|       485 | Eva       | Brown    | 1998-05-10 | Female | eva.brown@example.com    | 3344556674 |
+-----------+-----------+----------+------------+--------+--------------------------+------------+
5 rows in set (0.00 sec)
```

- ➢ Update the Instructor with the following information:
- ➢ Change the email to 'rogerwhite@example.com'Where FirstName of the instructor is 'Roger' and LastName is 'White';

Code:-

-- The below query updates the email address of a student named Roger White to rogerwhite@example.com

```
mysql> Update instructor set Email='rogerwhite@example.com' where FirstName='Roger' And LastName='White';
Query OK, 1 row affected (0.03 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

Output:-

```
mysql> select *from instructor;
+--------------+-----------+----------+-----------------------------+
| InstructorID | FirstName | LastName | Email                       |
+--------------+-----------+----------+-----------------------------+
|            1 | John      | Doe      | john.doe@example.com        |
|            2 | Jane      | Smith    | jane.smith@example.com      |
|            3 | Roger     | White    | rogerwhite@example.com      |
|            4 | Sara      | Williams | sara.williams@example.com   |
|            5 | Tom       | Brown    | tom.brown@example.com       |
+--------------+-----------+----------+-----------------------------+
5 rows in set (0.00 sec)
```

Task 2:

Delete record from the Student table on following condition:

Delete student/students records from the Student table where last name is Smith.

-- The below query DELETE statement removes all records from the 'enrollment' table where the 'StudentID' matches

-- the 'StudentID' of students whose 'LastName' is 'Smith' in the 'students' table.

```
mysql> DELETE FROM enrollment WHERE StudentID IN (
    ->    SELECT StudentID FROM students WHERE LastName = 'Smith'
    -> );
```

-- The below query DELETE statement removes all records from the 'feedback' table where the 'StudentID' matches

-- the 'StudentID' of students whose 'LastName' is 'Smith' in the 'students' table.

```
mysql> DELETE FROM feedback WHERE StudentID IN (
    ->    SELECT StudentID FROM students WHERE LastName = 'Smith'
    -> );
Query OK, 1 row affected (0.03 sec)
```

-- The below query DELETE statement removes all records from the 'score' table where the 'StudentID' matches

-- the 'StudentID' of students whose 'LastName' is 'Smith' in the 'students' table.

```
mysql> DELETE FROM score WHERE StudentID IN (
    ->    SELECT StudentID FROM students WHERE LastName = 'Smith'
    -> );
Query OK, 1 row affected (0.03 sec)
```

Code:-

-- The below query DELETE statement removes all records from the 'students' table where the last name is 'Smith'.

```
mysql> delete from students where LastName='Smith';
Query OK, 1 row affected (0.01 sec)
```

Output:-

```
mysql> Select *from students;
+-----------+-----------+----------+------------+--------+-------------------------+------------+
| StudentID | FirstName | LastName | DateOfBirth | Gender | Email                   | Phone      |
+-----------+-----------+----------+------------+--------+-------------------------+------------+
|       481 | Rajitha   | Lingutla | 2002-06-21 | Female | rajitha@gmail.com       | 1934756782 |
|       483 | Cara      | Wins     | 2001-03-25 | Female | cara.wins@example.com   | 1122334458 |
|       484 | David     | Johnson  | 2002-04-30 | Male   | david.johnson@example.com | 2233445568 |
|       485 | Eva       | Brown    | 1998-05-10 | Female | eva.brown@example.com   | 3344556674 |
+-----------+-----------+----------+------------+--------+-------------------------+------------+
4 rows in set (0.00 sec)
```

Task 3: List the student whose first name starts with J.

-- This DELETE statement removes records from the 'enrollment' table for students whose first name starts with 'J'.

```
mysql> DELETE FROM enrollment WHERE StudentID IN (
    ->    SELECT StudentID FROM students WHERE FirstName LIKE 'J%'
    -> );
Query OK, 2 rows affected (0.03 sec)
```

-- This DELETE statement removes records from the 'feedback' table for students whose first name starts with 'J'.

```
mysql> DELETE FROM feedback WHERE StudentID IN (
    ->    SELECT StudentID FROM students WHERE FirstName LIKE 'J%'
    -> );
Query OK, 2 rows affected (0.00 sec)
```

-- This DELETE statement removes records from the 'score' table for students whose first name starts with 'J'.

```
mysql> DELETE FROM score WHERE StudentID IN (
    ->   SELECT StudentID FROM students WHERE FirstName LIKE 'J%'
    -> );
Query OK, 2 rows affected (0.03 sec)
```

Code:-

-- This DELETE statement removes records from the 'students' table for students whose first name starts with 'J'.

```
mysql> Delete from students where FirstName like 'J%';
Query OK, 2 rows affected (0.03 sec)
```

Output:-

```
mysql> Select *from students;
+-----------+-----------+----------+-------------+--------+----------------------+------------+
| StudentID | FirstName | LastName | DateOfBirth | Gender | Email                | Phone      |
+-----------+-----------+----------+-------------+--------+----------------------+------------+
|       481 | Rajitha   | Lingutla | 2002-06-21  | Female | rajitha@gmail.com    | 1934756782 |
|       485 | Eva       | Brown    | 1998-05-10  | Female | eva.brown@example.com | 3344556674 |
+-----------+-----------+----------+-------------+--------+----------------------+------------+
2 rows in set (0.00 sec)
```