



LAB REPORT

CSE312: Database Management System Lab

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LAB REPORT

02

[Report Number]

Experiment No: 02	Experiment Name: Comprehensive SQL Data Manipulation and Querying Experiment
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Experiment Details:

.Create a database name EVS.

Code: CREATE DATABASE EVS;

Create a Table name voter here attribute is id and location.

Code: CREATE TABLE voter (id INT(18), location VARCHAR(20));

1.Insert into data in Voter table.

Code: INSERT INTO voter VALUES (101501, 'Uttara');

2. select all data show form voter table.

*Code: SELECT * FROM voter;*

Create a student table .

Code: CREATE TABLE Student (id INT, VARCHAR(50), age INT, district VARCHAR(50));

Insert data into table.

Code: INSERT INTO Student (id, name, age, district) VALUES

(1, 'Shuva', 20, 'Dhaka'),

(2767, 'sohag', 22, 'uttara'),

(3, 'rezoan', 25, 'sirajganj'),

(4,'sumi',26,'Rajshahi'),

(5,'tanjin',24,'Barishal');

3. select the shuva name student data.

*Code: SELECT * FROM Student WHERE id = 1 AND name = 'Shuva';*

4. update id 2767 number student name new name is Raafiq.

Code: UPDATE Student SET name = 'Rafiq' WHERE id = 2767;

5. delete id 2767 number student form table.

Code: DELETE FROM Student WHERE id = 2767;

6. select a records using like %s.

Code: SELECT * FROM Student WHERE name LIKE '%s';

7. select student where age 25 and 30.

Code : SELECT * FROM Student WHERE age BETWEEN 25 AND 30;

8. select student where district is rajshshi and brishal.

Code: SELECT name, district FROM student WHERE district IN ('Rajshahi', 'Barishal');

Obtained Output:

1.	<pre>MariaDB [(none)]> CREATE DATABASE EVS; Query OK, 1 row affected (0.001 sec) MariaDB [(none)]> use EVS; Database changed MariaDB [EVS]> CREATE TABLE voter (-> id INT, -> location VARCHAR(50) ->); Query OK, 0 rows affected (0.015 sec)</pre>	Desired Output?
2.	<pre>MariaDB [EVS]> INSERT INTO voter VALUES (101501, 'Uttara'); Query OK, 1 row affected (0.010 sec) MariaDB [EVS]> SELECT * FROM voter; +-----+-----+ id location +-----+-----+ 101501 Uttara +-----+-----+</pre>	YES/NO
3.		

```

MariaDB [EVS]> CREATE TABLE Student (
  -> id INT,
  -> name VARCHAR(50),
  -> age INT,
  -> district VARCHAR(50)
  -> );
Query OK, 0 rows affected (0.010 sec)

MariaDB [EVS]> INSERT INTO Student (id, name, age, district) VALUES
  -> (1, 'Shuva', 20, 'Dhaka'),
  -> (2767, 'sohag', 22, 'uttara'),
  -> (3, 'rezoan', 25, 'sirajganj'),
  -> (4, 'sumi', 26, 'Rajshahi'),
  -> (5, 'tanjin', 24, 'Barishal');
Query OK, 5 rows affected (0.010 sec)
Records: 5  Duplicates: 0  Warnings: 0

MariaDB [EVS]> SELECT * FROM Student WHERE Id=1 AND name='Shuva';
+-----+-----+-----+-----+
| id    | name  | age  | district |
+-----+-----+-----+-----+
| 1     | Shuva | 20   | Dhaka    |
+-----+-----+-----+-----+
1 row in set (0.001 sec)

```

4.

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MariaDB [EVS]> UPDATE student SET name='Rafiq' WHERE Id=2767;
Query OK, 1 row affected (0.009 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [EVS]> select * from Student;
+-----+-----+-----+-----+
| id    | name  | age  | district |
+-----+-----+-----+-----+
| 1     | Shuva | 20   | Dhaka    |
| 2767  | Rafiq | 22   | uttara   |
| 3     | rezoan | 25   | sirajganj |
| 4     | sumi  | 26   | Rajshahi |
| 5     | tanjin | 24   | Barishal |
+-----+-----+-----+-----+
5 rows in set (0.001 sec)

```

5.

```
MariaDB [EVS]> DELETE FROM Student WHERE Id=2767;  
Query OK, 1 row affected (0.008 sec)
```

```
MariaDB [EVS]> select * from Student;  
+-----+-----+-----+-----+  
| id    | name   | age  | district |  
+-----+-----+-----+-----+  
| 1     | Shuva  | 20   | Dhaka    |  
| 3     | rezoan | 25   | sirajganj |  
| 4     | sumi   | 26   | Rajshahi |  
| 5     | tanjin | 24   | Barishal |  
+-----+-----+-----+-----+  
4 rows in set (0.001 sec)
```

6.

```
MariaDB [EVS]> SELECT * FROM student WHERE name LIKE '%s';  
Empty set (0.001 sec)  
  
MariaDB [EVS]> SELECT * FROM student WHERE age BETWEEN 25 AND 30;  
+-----+-----+-----+-----+  
| id    | name   | age  | district |  
+-----+-----+-----+-----+  
| 3     | rezoan | 25   | sirajganj |  
| 4     | sumi   | 26   | Rajshahi |  
+-----+-----+-----+-----+  
2 rows in set (0.001 sec)
```

7.

```
MariaDB [EVS]> SELECT * FROM student WHERE name IN ('Rajshahi', 'Barishal');  
Empty set (0.001 sec)
```

8.

```
MariaDB [EVS]> SELECT name, district FROM student WHERE district IN ('Rajshahi', 'Barishal');  
+-----+-----+  
| name   | district |  
+-----+-----+  
| sumi   | Rajshahi |  
| tanjin | Barishal |  
+-----+-----+  
2 rows in set (0.001 sec)
```