

/*Practical No : 02
Name: Dhiraj Vijay Barwal,
Class: TECSD
Batch: T1*/

/* PERFORM PRACTICAL ON DML LANGUAGE IN MYSQL */

-- Step 1: Create Database and Table

CREATE DATABASE IF NOT EXISTS School;
USE School;

CREATE TABLE IF NOT EXISTS Students (
 StudentID INT PRIMARY KEY,
 FirstName VARCHAR(50),
 LastName VARCHAR(50),
 Age INT,
 Major VARCHAR(50)
);

-- Step 2: Insert Data

INSERT INTO Students (StudentID, FirstName, LastName, Age, Major)
VALUES
(1, 'dhiraj', 'barwal', 20, 'Mathematics'),
(2, 'suyog', 'kedar', 22, 'Physics'),
(3, 'pramod', 'patil', 21, 'Computer Science');

-- Output:

-- Query OK, 3 rows affected

-- Records: 3 Duplicates: 0 Warnings: 0

-- Step 3: Select All Data

SELECT * FROM Students;

-- Expected Output:

```
-- +-----+-----+-----+-----+-----+
-- | StudentID | FirstName | LastName | Age | Major      |
-- +-----+-----+-----+-----+-----+
-- |      1 | dhiraj   | barwal   | 20 | Mathematics |
-- |      2 | suyog    | kedar    | 22 | Physics     |
-- |      3 | pramod   | patil    | 21 | Computer Science |
-- +-----+-----+-----+-----+-----+
```

-- Step 4: Update Suyog's Major

UPDATE Students
SET Major = 'Astronomy'
WHERE StudentID = 2;

-- Step 5: Confirm Update

SELECT * FROM Students WHERE StudentID = 2;

-- Expected Output:

```
-- +-----+-----+-----+-----+-----+
-- | StudentID | FirstName | LastName | Age | Major      |
-- +-----+-----+-----+-----+-----+
```

```
-- |      2 | suyog   | kedar   | 22 | Astronomy |
-- +-----+-----+-----+-----+-----+
```

-- Step 6: Delete Pramod's Record

DELETE FROM Students

WHERE StudentID = 3;

-- Step 7: Select All Data After Deletion

SELECT * FROM Students;

-- Expected Output:

```
-- +-----+-----+-----+-----+-----+
-- | StudentID | FirstName | LastName | Age | Major   |
-- +-----+-----+-----+-----+-----+
-- |      1 | dhiraj   | barwal   | 20 | Mathematics |
-- |      2 | suyog    | kedar    | 22 | Astronomy  |
-- +-----+-----+-----+-----+-----+
```