EXPERIMENT 24

CASE SCENARIO: MYSQL QUERIES IMPLEMENTATION FOR COLLEGE ADMISSION FORM

```
Records: 2  Duplicates: 0  Warnings: 0

mysql> INSERT INTO Admissions (AdmissionID, StudentID, CourseID, AdmissionDate,
    -> VALUES
    -> (1, 1, 1, '2025-09-27', 'Confirmed'),
    -> (2, 2, 2, '2025-09-27', 'Pending');
Query OK, 2 rows affected (0.05 sec)
Records: 2  Duplicates: 0  Warnings: 0

mysql> SELECT a.AdmissionID, s.Name, c.CourseName, a.AdmissionDate, a.Status
    -> FROM Admissions a
    -> JOIN Students s ON a.StudentID = s.StudentID
    -> JOIN Courses c ON a.CourseID = c.CourseID;
+-------------+-------+-----------------------+---------------+-----------+
| AdmissionID | Name  | CourseName            | AdmissionDate | Status    |
+-------------+-------+-----------------------+---------------+-----------+
|           1 | Divya | B.Tech Computer Science | 2025-09-27  | Confirmed |
|           2 | Rahul | B.Sc Mathematics      | 2025-09-27    | Pending   |
+-------------+-------+-----------------------+---------------+-----------+
2 rows in set (0.00 sec)

mysql> SELECT * FROM Admissions WHERE Status = 'Confirmed';
+-------------+-----------+----------+---------------+-----------+
| AdmissionID | StudentID | CourseID | AdmissionDate | Status    |
+-------------+-----------+----------+---------------+-----------+
|           1 |         1 |        1 | 2025-09-27    | Confirmed |
+-------------+-----------+----------+---------------+-----------+
1 row in set (0.00 sec)

mysql> UPDATE Admissions
    -> SET Status = 'Confirmed'
    -> WHERE AdmissionID = 2;
Query OK, 1 row affected (0.04 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> USE CollegeAdmission;
Database changed
mysql> CREATE TABLE IF NOT EXISTS Students (
    ->      StudentID INT NOT NULL PRIMARY KEY,
    ->      Name VARCHAR(50) NOT NULL,
    ->      DateOfBirth DATE,
    ->      Email VARCHAR(100) UNIQUE,
    ->      Mobile VARCHAR(15)
    -> );
Query OK, 0 rows affected (0.14 sec)

mysql> CREATE TABLE IF NOT EXISTS Courses (
    ->      CourseID INT NOT NULL PRIMARY KEY,
    ->      CourseName VARCHAR(50) NOT NULL,
    ->      Duration VARCHAR(20),
    ->      Fees DECIMAL(10,2)
    -> );
Query OK, 0 rows affected (0.07 sec)

mysql> CREATE TABLE IF NOT EXISTS Admissions (
    ->      AdmissionID INT NOT NULL PRIMARY KEY,
    ->      StudentID INT,
    ->      CourseID INT,
    ->      AdmissionDate DATE,
    ->      Status VARCHAR(20),
    ->      FOREIGN KEY (StudentID) REFERENCES Students(StudentID),
    ->      FOREIGN KEY (CourseID) REFERENCES Courses(CourseID)
    -> );
Query OK, 0 rows affected (0.08 sec)

mysql> INSERT INTO Students (StudentID, Name, DateOfBirth, Email, Mobile)
    -> VALUES
    -> (1, 'Divya', '2002-05-15', 'divya@gmail.com', '9876543210'),
    -> (2, 'Rahul', '2001-08-20', 'rahul@gmail.com', '9876543211');
Query OK, 2 rows affected (0.04 sec)
```