NATIONAL UNIVERSITY OF MODERN LANGUAGES

Data Base Management Lab Report - 4

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PROGRAM: BSSE (4th Semester)

COURSE: DATA BASE MANAGEMENT

SUBMITTED TO: Sir M Waqar

DATE: 5 May 2025   **DAY: Monday**

Lab Report 4

Q1 Create tables of your project

```sql
CREATE TABLE Students (
    StudentID INT PRIMARY KEY,
    FirstName VARCHAR(50),
    LastName VARCHAR(50),
    Gender VARCHAR(10),
    DateOfBirth DATE,
    Major VARCHAR(50),
    EnrollmentYear INT
);
```

```sql
CREATE TABLE Courses (
    CourseID INT PRIMARY KEY,
    CourseName VARCHAR(100),
    Credits INT,
    Department VARCHAR(50)
);
```

Q2. Insert data that is 25 to 30 records in all tables in your project

Students Data:

```sql
INSERT INTO Students (StudentID, FirstName, LastName, Gender,
DateOfBirth, Major, EnrollmentYear)

VALUES
(1, 'Ali', 'Khan', 'Male', '2000-05-15', 'Computer Science', 2018),
(2, 'Ahmed', 'Iqbal', 'Male', '1999-10-22', 'Software Engineering',
2017),
(3, 'Usman', 'Raza', 'Male', '2001-02-18', 'Computer Science', 2019),
(4, 'Bilal', 'Shah', 'Male', '2000-07-25', 'Information Technology',
2018),
(5, 'Omar', 'Siddiqui', 'Male', '1998-12-30', 'Computer Science',
2016),
(6, 'Zaid', 'Mahmood', 'Male', '1999-01-11', 'Artificial Intelligence',
2017),
(7, 'Imran', 'Farooq', 'Male', '2001-03-05', 'Computer Science', 2019),
(8, 'Tariq', 'Jamil', 'Male', '2000-11-19', 'Data Science', 2018),
(9, 'Farhan', 'Yousaf', 'Male', '1998-08-08', 'Software Engineering',
2016),
(10, 'Salman', 'Ahmed', 'Male', '2000-04-20', 'Cyber Security', 2018);
```

Courses Data :

```sql
INSERT INTO Courses (CourseID, CourseName, Credits, Department)

VALUES
(1, 'Introduction to Programming', 3, 'Computer Science'),
(2, 'Data Structures and Algorithms', 3, 'Computer Science'),
(3, 'Database Management Systems', 3, 'Computer Science'),
(4, 'Computer Networks', 3, 'Computer Science'),
(5, 'Software Engineering', 3, 'Computer Science'),
```

```
    (6, 'Operating Systems', 3, 'Computer Science'),
    (7, 'Web Development', 3, 'Computer Science'),
    (8, 'Artificial Intelligence', 3, 'Computer Science'),
    (9, 'Machine Learning', 3, 'Computer Science'),
    (10, 'Cyber Security', 3, 'Computer Science');
```

Output:

100 %

Results | Messages

	FirstName	LastName	Major
1	Ali	Khan	Computer Science
2	Ahmed	Iqbal	Software Engineering
3	Usman	Raza	Computer Science
4	Bilal	Shah	Information Technology
5	Omar	Siddiqui	Computer Science
6	Zaid	Mahmood	Artificial Intelligence
7	Imran	Farooq	Computer Science
8	Tariq	Jamil	Data Science
9	Farhan	Yousaf	Software Engineering
10	Salman	Ahmed	Cyber Security

100 %

Results | Messages

	CourseName	Credits
1	Introduction to Programming	3
2	Data Structures and Algorithms	3
3	Database Management Systems	3
4	Computer Networks	3
5	Software Engineering	3
6	Operating Systems	3
7	Web Development	3
8	Artificial Intelligence	3
9	Machine Learning	3
10	Cyber Security	3