**LAB-1**

Lab 1. Create a Database & Table Using MySQL Command-Line Client.

Create a database with the name StudentManagementSystem. Create a table with named Student with attributes:

● StudentID (Primary Key) ● FirstName ● LastName ● DateOfBirth ● Gender ● Email ● Phone Create a table with name Course with attributes: ● CourseID (Primary Key) ● CourseTitle ● Credits

Create a table with named Instructor with attributes:

● InstructorID (Primary Key) ● FirstName ● LastName ● Email Create a table with named Enrollment with attributes: ● EnrollmentID (Primary Key) ● EnrollmentDate ● StudentID(Foreign key) ● CourseID(Foreign Key) ● InstructorID(Foreign key)

Create a table with named Score with attributes:

● ScoreID (Primary Key) ● CourseID (Foreign key) ● StudentID (Foreign Key) ● DateOfExam ● CreditObtained Create a table with named Feedback with attributes: ● FeedbackID (Primary Key) ● StudentID (Foreign key) ● Date ● InstructorName ● Feedback

Program:

* Create the StudentManagementSystem database

CREATE DATABASE IF NOT EXISTS StudentManagementSystem;

* Switch to the StudentManagementSystem database

USE StudentManagementSystem;

* Create the Student table

CREATE TABLE IF NOT EXISTS Student (

StudentID INT PRIMARY KEY AUTO\_INCREMENT,

FirstName VARCHAR(50),

LastName VARCHAR(50),

DateOfBirth DATE,

Gender ENUM(‘Male’, ‘Female’, ‘Other’),

Email VARCHAR(100),

Phone VARCHAR(20)

);

* Create the Course table

CREATE TABLE IF NOT EXISTS Course (

CourseID INT PRIMARY KEY AUTO\_INCREMENT,

CourseTitle VARCHAR(100),

Credits INT

);

* Create the Instructor table

CREATE TABLE IF NOT EXISTS Instructor (

InstructorID INT PRIMARY KEY AUTO\_INCREMENT,

FirstName VARCHAR(50),

LastName VARCHAR(50),

Email VARCHAR(100)

);

* Create the Enrollment table

CREATE TABLE IF NOT EXISTS Enrollment (

EnrollmentID INT PRIMARY KEY AUTO\_INCREMENT,

EnrollmentDate DATE,

StudentID INT,

CourseID INT,

InstructorID INT,

FOREIGN KEY (StudentID) REFERENCES Student(StudentID),

FOREIGN KEY (CourseID) REFERENCES Course(CourseID),

FOREIGN KEY (InstructorID) REFERENCES Instructor(InstructorID)

);

* Create the Score table

CREATE TABLE IF NOT EXISTS Score (

ScoreID INT PRIMARY KEY AUTO\_INCREMENT,

CourseID INT,

StudentID INT,

DateOfExam DATE,

CreditObtained INT,

FOREIGN KEY (CourseID) REFERENCES Course(CourseID),

FOREIGN KEY (StudentID) REFERENCES Student(StudentID)

);

* Create the Feedback table

CREATE TABLE IF NOT EXISTS Feedback (

FeedbackID INT PRIMARY KEY AUTO\_INCREMENT,

StudentID INT,

Date DATE,

InstructorName VARCHAR(100),

Feedback TEXT,

FOREIGN KEY (StudentID) REFERENCES Student(StudentID)

);

Output:

