**Steve Nginyo**

**Create a new MySQL database named "UniversityDB"**

CREATE DATABASE UniversityDB;

**Use the "UniversityDB" database**

USE UniversityDB;

**Design a table named "Students" with the specified attributes**

CREATE TABLE Students (

StudentID INT PRIMARY KEY,

FirstName VARCHAR(50),

LastName VARCHAR(50),

Age INT,

Major VARCHAR(50)

);

**Insert at least 5 records into the "Students" table with sample data**

INSERT INTO Students (StudentID, FirstName, LastName, Age, Major)

VALUES (1, 'John', 'Doe', 20, 'Computer Science'),

(2, 'Jane', 'Smith', 22, 'Mathematics'),

(3, 'Bob', 'Johnson', 21, 'Physics'),

(4, 'Alice', 'Williams', 20, 'Chemistry'),

(5, 'Charlie', 'Brown', 23, 'Biology');

**Alter the "Students" table to add a new column named "GPA"**

ALTER TABLE Students ADD COLUMN GPA DECIMAL(3, 2);

**Insert GPA values for the existing records in the "Students" table**

UPDATE Students SET GPA = 3.5 WHERE StudentID = 1;

UPDATE Students SET GPA = 3.7 WHERE StudentID = 2;

UPDATE Students SET GPA = 3.2 WHERE StudentID = 3;

UPDATE Students SET GPA = 3.8 WHERE StudentID = 4;

UPDATE Students SET GPA = 3.6 WHERE StudentID = 5;

**Rename the table from "Students" to "EnrolledStudents"**

RENAME TABLE Students TO EnrolledStudents;

**Create a new table named "Courses" with the specified attributes**

CREATE TABLE Courses (

CourseID INT PRIMARY KEY,

CourseName VARCHAR(100),

Instructor VARCHAR(100),

Credits INT

);

**Insert at least 3 records into the "Courses" table with sample data**

INSERT INTO Courses (CourseID, CourseName, Instructor, Credits)

VALUES (1, 'Computer Science 101', 'Dr. John Doe', 4),

(2, 'Mathematics 101', 'Dr. Jane Smith', 4),

(3, 'Physics 101', 'Dr. Bob Johnson', 4);

**Drop the "EnrolledStudents" table from the database**

DROP TABLE EnrolledStudents;