## SQL - ALTER

**-- Create a Database -**

CREATE DATABASE school\_db;

**-- Use Database -**

use school\_db;

**-- Create a table Students -**

CREATE TABLE Students (

StudentID INT PRIMARY KEY AUTO\_INCREMENT,

StudentName NVARCHAR(50) NOT NULL,

Email NVARCHAR(50) NOT NULL,

Age INT NOT NULL

);

**-- Create a table Courses -**

CREATE TABLE Courses (

CourseID INT PRIMARY KEY AUTO\_INCREMENT,

CourseName NVARCHAR(50) NOT NULL,

Credits INT NOT NULL,

StudentID INT,

foreign key (StudentID) references Students(StudentID)

);

**--** **Insert Records into Students Table -**

INSERT INTO Students (StudentName, Email, Age) VALUES

('Alice Johnson', 'alice.johnson@example.com', 20),

('Bob Smith', 'bob.smith@example.com', 22),

('Charlie Brown', 'charlie.brown@example.com', 21),

('Diana Prince', 'diana.prince@example.com', 23),

('Eve Adams', 'eve.adams@example.com', 20);

**-- Insert Records into Courses Table**

INSERT INTO Courses (CourseName, Credits, StudentID) VALUES

('Database Systems', 3, 1),

('Computer Networks', 4, 2),

('Operating Systems', 3, 3),

('Data Structures', 4, 4),

('Software Engineering', 3, 5);

**-- ALTER Course table to ADD Semester column**

ALTER TABLE Courses

ADD Semester NVARCHAR(10);

**-- ALTER Course table to DROP Semester column**

ALTER TABLE Courses

DROP Semester

**-- ALTER Students table to MODIFY Age column**

ALTER TABLE Students

MODIFY Age INT NOT NULL DEFAULT 18;

**-- Drop Course Table**

DROP TABLE Courses

**-- Drop Students Table**

DROP TABLE Students

**-- Drop Database**

DROP DATABASE school\_db