-- CREATE THE LATE WORK PENALTIES DATABASE

-- Drop tables if they exist  
DROP TABLE IF EXISTS Extensions

DROP TABLE IF EXISTS Deferrals

DROP TABLE IF EXISTS LateWorkPenaltiesWaiver

DROP TABLE IF EXISTS Students

DROP TABLE IF EXISTS Modules

DROP TABLE IF EXISTS Status

DROP TABLE IF EXISTS Evidence

-- Create Status table

CREATE TABLE Status (

StatusID INT PRIMARY KEY,

StatusValue NVARCHAR(8)

);

-- Create Evidence table

CREATE TABLE Evidence (

EvidenceID INT PRIMARY KEY,

FileID INT,

FilePath NVARCHAR(MAX)

);

-- Create Students table

CREATE TABLE Students (

StudentID INT PRIMARY KEY,

StudentName NVARCHAR(100),

Cohort NVARCHAR(50),

Level INT

);

-- Create Modules table

CREATE TABLE Modules (

ModuleNo NVARCHAR(8) PRIMARY KEY,

ModuleCode NVARCHAR(6),

ModuleName NVARCHAR(150),

AssignmentName NVARCHAR(MAX),

Type NVARCHAR(20),

LecturerEmail NVARCHAR(50),

Weight INT, -- Assuming percentage is in whole numbers

DueDate DATETIME,

ExtensionsAllowed BIT

);

-- Create Extensions table

CREATE TABLE Extensions (

ExtensionID INT PRIMARY KEY,

StudentID INT,

ModuleNo NVARCHAR(8),

SubmissionDate DATE,

EvidenceID INT,

StatusID INT,

Reason NVARCHAR(500),

ExtensionDays INT,

NewDeadline DATETIME,

NumberOfExtensions INT,

PenaltyMarks INT,

FOREIGN KEY (StudentID) REFERENCES Students(StudentID),

FOREIGN KEY (ModuleNo) REFERENCES Modules(ModuleNo),

FOREIGN KEY (EvidenceID) REFERENCES Evidence(EvidenceID),

FOREIGN KEY (StatusID) REFERENCES Status(StatusID)

);

-- Create Deferrals table

CREATE TABLE Deferrals (

DeferralID INT PRIMARY KEY,

StudentID INT,

ModuleNo NVARCHAR(8),

EvidenceID INT,

DeferralDate DATE,

StatusID INT,

Reason NVARCHAR(500),

NewDeadline DATETIME,

PenaltyMarks INT,

MAB DATE,

FOREIGN KEY (StudentID) REFERENCES Students(StudentID),

FOREIGN KEY (ModuleNo) REFERENCES Modules(ModuleNo),

FOREIGN KEY (EvidenceID) REFERENCES Evidence(EvidenceID),

FOREIGN KEY (StatusID) REFERENCES Status(StatusID)

);

-- Create Late Work Penalties Waiver table

CREATE TABLE LateWorkPenaltiesWaiver (

PenaltyID INT PRIMARY KEY,

StudentID INT,

ModuleNo NVARCHAR(8),

EvidenceID INT,

SubmissionDate DATE,

StatusID INT,

Reason NVARCHAR(500),

NewDeadline DATETIME,

PenaltyMarks INT,

FOREIGN KEY (StudentID) REFERENCES Students(StudentID),

FOREIGN KEY (ModuleNo) REFERENCES Modules(ModuleNo),

FOREIGN KEY (EvidenceID) REFERENCES Evidence(EvidenceID),

FOREIGN KEY (StatusID) REFERENCES Status(StatusID)

);