**Assignment 2: Student Information System**

**Code :**

CREATE DATABASE SISDB;

USE SISDB;

CREATE TABLE Students (

student\_id INT,

first\_name VARCHAR(20) NOT NULL,

last\_name VARCHAR(20) NOT NULL,

date\_of\_birth DATE,

email VARCHAR(50) NOT NULL,

phone\_number VARCHAR(15),

CONSTRAINT Students\_studentid\_pk PRIMARY KEY (student\_id),

CONSTRAINT Students\_email\_uk UNIQUE (email)

);

CREATE TABLE Teacher (

teacher\_id INT,

first\_name VARCHAR(20) NOT NULL,

last\_name VARCHAR(20) NOT NULL,

email VARCHAR(50) NOT NULL,

CONSTRAINT Teacher\_teacherid\_pk PRIMARY KEY (teacher\_id),

CONSTRAINT Teacher\_email\_uk UNIQUE (email)

);

CREATE TABLE Courses (

course\_id INT,

course\_name VARCHAR(20) NOT NULL,

credits INT,

teacher\_id INT,

CONSTRAINT Courses\_cid\_pk PRIMARY KEY (course\_id),

CONSTRAINT Courses\_teacherid\_fk FOREIGN KEY (teacher\_id)

REFERENCES Teacher (teacher\_id)

ON DELETE CASCADE

);

CREATE TABLE Enrollments (

enrollment\_id INT,

student\_id INT,

course\_id INT,

enrollment\_date DATE,

CONSTRAINT Enrollments\_eid\_pk PRIMARY KEY (enrollment\_id),

CONSTRAINT Enrollments\_studid\_fk FOREIGN KEY (student\_id)

REFERENCES Students (student\_id)

ON DELETE CASCADE,

CONSTRAINT Enrollments\_courseid\_fk FOREIGN KEY (course\_id)

REFERENCES Courses (course\_id)

ON DELETE CASCADE

);

CREATE TABLE Payments (

payment\_id INT,

student\_id INT,

amount DOUBLE(10 , 2 ),

payment\_date DATE,

CONSTRAINT Payments\_pid\_pk PRIMARY KEY (payment\_id),

CONSTRAINT Payments\_studid\_fk FOREIGN KEY (student\_id)

REFERENCES Students (student\_id)

ON DELETE CASCADE

);