CREATE TABLE Students (sId INT NOT NULL PRIMARY KEY,  
 firstName VARCHAR (50) NOT NULL,  
 lastName VARCHAR (50) NOT NULL,  
 email VARCHAR (60) NOT NULL,  
 password VARCHAR (30) NOT NULL DEFAULT "default");

CREATE TABLE Timeslots (id INT NOT NULL PRIMARY KEY,  
 startHour TIME NOT NULL,  
 endHour TIME NOT NULL,  
 day INT NOT NULL);

CREATE TABLE Prerequisites (pId VARCHAR (8) NOT NULL,  
 rId VARCHAR (8) NOT NULL,  
 parallel BOOLEAN DEFAULT '0',  
 altId VARCHAR (8));

CREATE TABLE Courses (cId VARCHAR (8) NOT NULL,  
 FOREIGN KEY (cId) REFERENCES Sequence (cId),  
 sId VARCHAR (8) NOT NULL,  
 semester VARCHAR (6) NOT NULL,  
 year INT NOT NULL,  
 type VARCHAR (3) NOT NULL DEFAULT "lec" ,  
 PRIMARY KEY (cId, sId, semester, year, type),  
 credits FLOAT (2,1) DEFAULT '0.0',  
 lecturer VARCHAR(75) DEFAULT "TBD",  
 timeSlot1 INT NOT NULL,  
 FOREIGN KEY (timeSlot1) REFERENCES Timeslots(id),  
 timeSlot2 INT NOT NULL DEFAULT '0',  
 FOREIGN KEY (timeSlot2) REFERENCES Timeslots(id),  
 description VARCHAR(1000));

CREATE TABLE Registered (studentId INT NOT NULL,  
 FOREIGN KEY (studentId) REFERENCES Students (sId),  
 cId VARCHAR (8) NOT NULL,  
 sectionId VARCHAR (8) NOT NULL,  
 semester VARCHAR (6) NOT NULL,  
 year INT NOT NULL,  
 type VARCHAR (3) NOT NULL,  
 FOREIGN KEY (cId, sectionId, semester, year, type)  
 REFERENCES Courses (cId, sId, semester, year, type),  
 grade VARCHAR (4),  
 finished BOOLEAN DEFAULT '0');

CREATE TABLE Sequence (cId VARCHAR (8) NOT NULL PRIMARY KEY,  
 semester VARCHAR (6) NOT NULL,  
 year INT NOT NULL);