DROP TABLE Enrollment;

DROP TABLE offering;

DROP TABLE Student;

DROP TABLE Course;

DROP TABLE Faculty;

-------------------- Student --------------------------------

CREATE TABLE Student (

stdNo char(11) not null,

stdFirstName varchar2(30) not null,

stdLastName varchar2(30) not null,

stdCity varchar2(30) not null,

stdState char(2) not null,

stdZip char(10) not null,

stdMajor char(6),

stdClass char(2),

stdGPA decimal(3,2),

CONSTRAINT StudentPk PRIMARY KEY (StdNo) );

-------------------- Course --------------------------------

CREATE TABLE Course(

CourseNo char(6) not null,

crsDesc varchar2(50) not null,

CrsUnits integer,

CONSTRAINT CoursePK PRIMARY KEY (CourseNo) );

-------------------- Faculty --------------------------------

CREATE TABLE Faculty(

FacNo char(11) not null,

FacFirstName varchar2(30) not null,

FacLastName varchar2(30) not null,

FacCity varchar2(30) not null,

FacState char(2) not null,

FacZipCode char(10) not null,

FacRank char(4),

FacHireDate date,

FacSalary decimal(10,2),

FacSupervisor char(11),

FacDept char(6),

CONSTRAINT FacultyPK PRIMARY KEY (FacNo),

CONSTRAINT SupervisorFK FOREIGN KEY (FacSupervisor) REFERENCES Faculty );

-------------------- Offering --------------------------------

CREATE TABLE Offering(

OfferNo INTEGER not null,

CourseNo char(6) not null,

OffTerm char(6) not null,

OffYear INTEGER not null,

OffLocation varchar2(30),

OffTime varchar2(10),

FacNo char(11),

OffDays char(4),

CONSTRAINT OfferingPK PRIMARY KEY (OfferNo),

CONSTRAINT CourseFK FOREIGN KEY (CourseNo) REFERENCES Course,

CONSTRAINT FacultyFK FOREIGN KEY (FacNo) REFERENCES Faculty );

-------------------- Enrollment --------------------------------

CREATE TABLE Enrollment (

OfferNo INTEGER not null,

StdNo char(11) not null,

EnrGrade decimal(3,2),

CONSTRAINT EnrollmentPK PRIMARY KEY (OfferNo, StdNo),

CONSTRAINT OfferingFK FOREIGN KEY (OfferNo) REFERENCES Offering

ON DELETE CASCADE,

CONSTRAINT StudentFK FOREIGN KEY (StdNo) REFERENCES Student ON DELETE CASCADE );