SQL commands for database creation:

create table instructor

(instructorid varchar2 (8) NOT NULL,

firstname varchar2 (20) NOT NULL,

lastname varchar2 (20) NOT NULL,

department varchar2 (40),

office varchar2 (8),

phone\_ext varchar2 (15),

email varchar2 (40),

primary key (instructorid));

create table student

(studentid varchar (8) NOT NULL,

Firstname varchar2 (20) NOT NULL,

Lastname varchar2 (20) NOT NULL,

grade\_year varchar2 (8),

primary key (studentid));

create table tutorial\_assistant

(taID varchar2 (8) NOT NULL,

firstname varchar2 (20) NOT NULL,

lastname varchar2 (20) NOT NULL,

email varchar2 (40),

primary key (taID));

create table lab\_assistant

(laID varchar2 (8) NOT NULL,

firstname varchar2 (20) NOT NULL,

lastname varchar2 (20) NOT NULL,

email varchar2 (40),

primary key (laID));

create table courses

(courseid varchar2 (8) NOT NULL,

title varchar2 (40),

instructorid varchar2 (8),

description varchar2 (500),

course\_year varchar2 (8),

classroom varchar2 (8),

primary key (courseid),

foreign key (instructorid) references instructor (instructorid));

create table enrolled

(studentid varchar2 (8),

courseid varchar2 (8),

foreign key(studentid) references student(studentid),

foreign key(courseid) references courses(courseid));

create table tutorial\_sessions

(tsessionid varchar2 (8) NOT NULL,

courseid varchar2 (8),

taid varchar2 (8),

timea varchar2 (15),

classroom varchar2 (8),

primary key (tsessionid),

foreign key (courseid) references courses (courseid),

foreign key (taid) references tutorial\_assistant (taid));

create table lab\_sessions

(lsessionsid varchar2 (8) NOT NULL,

courseid varchar2 (8),

laid varchar2 (8),

timea varchar2 (15),

classroom varchar2 (8),

primary key (lsessionsid),

foreign key (courseid) references courses (courseid),

foreign key (laid) references lab\_assistant (laid));

create table prerequisites

(courseid varchar2 (8),

prereqid varchar2 (8),

foreign key (courseid) references courses(courseid));

create table antirequisites

(courseid varchar2 (8),

antireqid varchar2 (8),

foreign key (courseid) references courses(courseid));

insert into instructor

(instructorid, firstname, lastname, department, office, phone\_ext, email)

values

('lamb1234', 'Michele', 'Lamb', 'History', '24', '303-827-9910', 'michelelamb@school.edu');

insert into instructor

(instructorid, firstname, lastname, department, office, phone\_ext, email)

values

('joe1345', 'Joe', 'Newn', 'CIS', '28', '303-827-9990', 'joenewn@school.edu');

insert into instructor

(instructorid, firstname, lastname, department, office, phone\_ext, email)

values

('john4567', 'John', 'Doe', 'Math', '56', '303-678-9876', 'johndoe@school.edu');

insert into instructor

(instructorid, firstname, lastname, department, office, phone\_ext, email)

values

('mike4576', 'Mike', 'Lamb', 'Art', '12', '303-234-5678', 'Mikelamb@school.edu');

insert into instructor

(instructorid, firstname, lastname, department, office, phone\_ext, email)

values

('jeff7856', 'Jeff', 'Lutz', 'CIS', '89', '303-897-7654', 'jefflutz@school.edu');

insert into instructor

(instructorid, firstname, lastname, department, office, phone\_ext, email)

values

('rand9999', 'Randy', 'Shaw', 'Accounting', '66', '303-654-7654', 'randyshaw@school.edu');

insert into instructor

(instructorid, firstname, lastname, department, office, phone\_ext, email)

values

('john8745', 'John', 'Stevens', 'Math', '78', '303-458-9988', 'johnstevens@school.edu');

insert into instructor

(instructorid, firstname, lastname, department, office, phone\_ext, email)

values

('kevi8900', 'Kevin', 'Hass', 'Accounting', '16', '303-678-9870', 'kevinahass@school.edu');

insert into instructor

(instructorid, firstname, lastname, department, office, phone\_ext, email)

values

('zach5423', 'Zach', 'Male', 'CIS', '99', '303-777-8887', 'zachmale@school.edu');

insert into student

(studentid, firstname, lastname, grade\_year)

values

('Cour3546', 'Courtney', 'Casperson', '1');

insert into student

(studentid, firstname, lastname, grade\_year)

values

('marl4444', 'Marleigh', 'Catt', '2');

insert into student

(studentid, firstname, lastname, grade\_year)

values

('nath3333', 'Nathaniel', 'Been', '4');

insert into student

(studentid, firstname, lastname, grade\_year)

values

('robe4444', 'Robert', 'Carver', '3');

insert into student

(studentid, firstname, lastname, grade\_year)

values

('garr7777', 'Garrett', 'Hasch', '4');

insert into student

(studentid, firstname, lastname, grade\_year)

values

('garr6666', 'Garrett', 'Casperson', '1');

insert into student

(studentid, firstname, lastname, grade\_year)

values

('marc4444', 'Marcus', 'Catt', '2');

insert into student

(studentid, firstname, lastname, grade\_year)

values

('jane1111', 'Jane', 'Steven', '3');

insert into student

(studentid, firstname, lastname, grade\_year)

values

('debo2222', 'Deborah', 'Michael', '4');

insert into student

(studentid, firstname, lastname, grade\_year)

values

('barb8999', 'Barbara', 'Lutz', '1');

insert into student

(studentid, firstname, lastname, grade\_year)

values

('robe4321', 'Robert', 'Lamb', '2');

insert into tutorial\_assistant

(taid, firstname, lastname, email)

values

('case7788','Casey', 'Edens','caseyedens@student.edu');

insert into tutorial\_assistant

(taid, firstname, lastname, email)

values

('kayl3345','Kayleen', 'Lindley','kayleenlindley@student.edu');

insert into tutorial\_assistant

(taid, firstname, lastname, email)

values

('clai8889','Clair', 'Rood','clairrood@student.edu');

insert into tutorial\_assistant

(taid, firstname, lastname, email)

values

('greg9997','Greg', 'Fire','gregfire@student.edu');

insert into tutorial\_assistant

(taid, firstname, lastname, email)

values

('nate8876','Nate', 'Casperson','natecasperson@student.edu');

insert into tutorial\_assistant

(taid, firstname, lastname, email)

values

('emil8997','Emily', 'Stevens','emilystevens@student.edu');

insert into tutorial\_assistant

(taid, firstname, lastname, email)

values

('tess8876','Tessa', 'Shaw','tessashaw@student.edu');

insert into tutorial\_assistant

(taid, firstname, lastname, email)

values

('hene2236','Henrey', 'John','henreyjohn@students.edu');

insert into tutorial\_assistant

(taid, firstname, lastname, email)

values

('coll8215','Colleen', 'Rankin','colleenrankin@student.edu');

insert into tutorial\_assistant

(taid, firstname, lastname, email)

values

('lind8116','Lindsea', 'Seaver','lindseaseaver@student.edu');

insert into lab\_assistant

(laid, firstname, lastname, email)

values

('urie9865','Uriel', 'Ludger','urielludger@student.edu');

insert into lab\_assistant

(laid, firstname, lastname, email)

values

('iman9981','Iman', 'Icarus','imanicarus@student.edu');

insert into lab\_assistant

(laid, firstname, lastname, email)

values

('rupa2334','Rupa', 'Ahmed','rupaahamed@student.edu');

insert into lab\_assistant

(laid, firstname, lastname, email)

values

('olaf2122','Olaf', 'Mann','olafmann@student.edu');

insert into lab\_assistant

(laid, firstname, lastname, email)

values

('luci8900','Luci', 'Vandersteen','lucivandersteen@student.edu');

insert into lab\_assistant

(laid, firstname, lastname, email)

values

('jarr1232','Jarred', 'Selma','jaredselma@student.edu');

insert into lab\_assistant

(laid, firstname, lastname, email)

values

('sand2334','Sandra', 'Varsha','sandravarsha@student.edu');

insert into lab\_assistant

(laid, firstname, lastname, email)

values

('ossi2345','Ossin', 'Rama','ossinrama@student.edu');

insert into lab\_assistant

(laid, firstname, lastname, email)

values

('step7654','Stephanie', 'Fulton','stephaniefulton@student.edu');

insert into lab\_assistant

(laid, firstname, lastname, email)

values

('lisa7223','Lisa', 'Harsh','lisaharsh@student.edu');

insert into courses

(courseid, title, instructorid, description, course\_year, classroom)

values

('Mat666-7', 'calculus', 'john4567' , 'introduction to caluclus, this is a hard course', '2', '99');

insert into courses

(courseid, title, instructorid, description, course\_year, classroom)

values

('CIS889-9', 'object oriented programing', 'joe1345' , 'this course will kill you after skinning you alive', '4', '98');

insert into courses

(courseid, title, instructorid, description, course\_year, classroom)

values

('His001-1', 'American History', 'lamb1234' , 'take this as a filler course, you will learn nothing you didnt already learn in highschool', '1', '97');

insert into courses

(courseid, title, instructorid, description, course\_year, classroom)

values

('CIS001-2','web design', 'jeff7856' , 'you learn javascript in this class', '1', '99');

insert into courses

(courseid, title, instructorid, description, course\_year, classroom)

values

('Acc982-2','Intro to Accounting', 'rand9999' , 'this course has a lot of addition in it', '4', '87');

insert into enrolled

(studentid, courseid)

values

('marc4444', 'Acc982-2');

insert into enrolled

(studentid, courseid)

values

('Cour3546', 'CIS001-2');

insert into enrolled

(studentid, courseid)

values

('nath3333', 'CIS889-9');

insert into enrolled

(studentid, courseid)

values

('garr7777', 'His001-1');

insert into enrolled

(studentid, courseid)

values

('garr6666', 'Mat666-7');

insert into tutorial\_sessions

(tsessionid, courseid, taid, timea, classroom)

values

('mat666-0','Mat666-7','case7788','10:00am','101');

insert into tutorial\_sessions

(tsessionid, courseid, taid, timea, classroom)

values

('CIS889-0','CIS889-9','hene2236','11:00am','102');

insert into tutorial\_sessions

(tsessionid, courseid, taid, timea, classroom)

values

('his001-0','His001-1','emil8997','12:00am','103');

insert into tutorial\_sessions

(tsessionid, courseid, taid, timea, classroom)

values

('CIS001-0','CIS001-2','tess8876','1:00am','104');

insert into tutorial\_sessions

(tsessionid, courseid, taid, timea, classroom)

values

('Acc982-0','Acc982-2','coll8215','2:00am','105');

insert into tutorial\_sessions

(tsessionid, courseid, taid, timea, classroom)

values

('mat666-0','Mat666-7','case7788','10:00am','101');

insert into tutorial\_sessions

(tsessionid, courseid, taid, timea, classroom)

values

('CIS889-0','CIS889-9','hene2236','11:00am','102');

insert into tutorial\_sessions

(tsessionid, courseid, taid, timea, classroom)

values

('his001-0','His001-1','emil8997','12:00pm','103');

insert into tutorial\_sessions

(tsessionid, courseid, taid, timea, classroom)

values

('CIS001-0','CIS001-2','tess8876','1:00apm','104');

insert into tutorial\_sessions

(tsessionid, courseid, taid, timea, classroom)

values

('Acc982-0','Acc982-2','coll8215','2:00pm','105');

insert into lab\_sessions

(lsessionsid, courseid, laid, timea, classroom)

values

('mat666-5','Mat666-7','luci8900','3:00pm','201');

insert into lab\_sessions

(lsessionsid, courseid, laid, timea, classroom)

values

('cis889-5','CIS889-9','jarr1232','4:00mp','202');

insert into lab\_sessions

(lsessionsid, courseid, laid, timea, classroom)

values

('his001-5','His001-1','sand2334','5:00pm','203');

insert into lab\_sessions

(lsessionsid, courseid, laid, timea, classroom)

values

('cis001-5','CIS001-2','ossi2345','6:00pm','204');

insert into lab\_sessions

(lsessionsid, courseid, laid, timea, classroom)

values

('acc982-5','Acc982-2','step7654','7:00pm','205');

insert into prerequisites

(courseid, prereqid)

values

('Mat666-7','Mat566');

insert into prerequisites

(courseid, prereqid)

values

('CIS889-9','CIS788');

insert into prerequisites

(courseid, prereqid)

values

('His001-1','His000');

insert into prerequisites

(courseid, prereqid)

values

('CIS001-2','CIS000');

insert into prerequisites

(courseid, prereqid)

values

('Acc982-2','Acc888');

insert into antirequisites

(courseid, antireqid)

values

('Mat666-7','Mat766');

insert into antirequisites

(courseid, antireqid)

values

('CIS889-9','CIS900');

insert into antirequisites

(courseid, antireqid)

values

('His001-1','His200');

insert into antirequisites

(courseid, antireqid)

values

('CIS001-2','CIS200');

insert into antirequisites

(courseid, antireqid)

values

('Acc982-2','Acc998');