Create table student (

ssn int not null primary key,

id int not null,

firstname varchar(20) not null,

middlename varchar(20),

lastname varchar(20) not null,

Origin varchar(10) not null,

enrolled varchar(5) not null,

Isprobation varchar(10) not null,

IsGraduate varchar(10) not null,

HasPreviousDegree varchar(10) not null

);

Create table probation (

Id int primary key,

ssn int not null,

BeginDate varchar(20) not null,

endDate varchar(20) not null,

Info varchar(20) not null,

Foreign key(ssn) references student(ssn) on delete cascade on update cascade

);

Create table undergraduate (

ssn int not null primary key,

College varchar(20) not null,

Major varchar(20) not null,

Minor varchar(20) not null,

Foreign key(ssn) references student(ssn) on delete cascade on update cascade

);

Create table graduate(

Ssn int not null primary key,

Department varchar(20) not null,

isPHD varchar(10) not null,

Candidacy varchar(10) not null,

Fifthyear varchar(10) not null,

Foreign key(ssn) references student(ssn) on delete cascade on update cascade

);

Create table previous\_degree(

SSN int not null primary key,

Degree\_type varchar(50) not null,

Institution varchar(200) not null,

Foreign key(ssn) references student(ssn) on delete cascade on update cascade

);

Create table faculty(

Name varchar(50) primary key,

Title varchar(50) not null

);

Create table course(

id int primary key,

Course\_number varchar(50) not null,

Department varchar(50) not null,

Lab\_course varchar(10) not null,

Grading varchar(50) not null

);

Create table class(

Id int primary key,

Title varchar(50) not null,

Quarter varchar(50) not null,

Course\_id int references course(id) on update cascade on delete cascade not null

);

Create table section(

Id int primary key,

Class int references class(id) on update cascade on delete cascade,

Faculty varchar(50) references faculty(name) on update cascade on delete cascade,

Grading varchar(50) not null,

Enrollment\_limit int not null

);

Create table meeting(

Id int primary key,

Weekday varchar(50) not null,

Time varchar(50) not null,

Room varchar(50) not null,

Type varchar(50) not null,

Mandatory varchar(20) not null,

Section\_id int references section(id) on update cascade on delete cascade

);

Create table review(

Id int primary key,

date varchar(50) not null,

Time varchar(50) not null,

Room varchar(50) not null,

Section\_id int references section(id) on update cascade on delete cascade

);

Create table waitlist(

Student\_SSN int references student(SSN) on update cascade on delete cascade,

Section\_id int references section(id) on update cascade on delete cascade,

Primary key(student\_SSN, section\_id)

);

Create table studentlist(

Student\_SSN int references student(SSN) on delete cascade on update cascade,

Section\_id int references section(id) on delete cascade on update cascade,

Primary key(student\_SSN, section\_id)

);

Create table prereq(

Course\_id int references course(id) on delete cascade on update cascade,

Prereq\_id int references course(id) on delete cascade on update cascade,

Primary key (course\_id, prereq\_id)

);

Create table teaching(

Prof\_name varchar(30) references faculty(name) on delete cascade on update cascade,

Course\_id int references course(id) on delete cascade on update cascade,

Time\_period varchar(50) not null,

Primary key (prof\_name, course\_id)

);

Create table learning(

student\_SSN int references student(SSN) on delete cascade on update cascade,

Course\_id int references section(id) on update cascade,

Time\_period varchar(50) not null,

Primary key (student\_SSN, course\_id)

);

Create table thesis\_commitee(

Name varchar(50) primary key,

Num\_prof int not null,

Num\_prof\_other\_dept int not null

);

Create table prof\_commitee(

Prof\_name varchar(30) references faculty(name) on delete cascade on update cascade,

commitee\_name varchar(50) references thesis\_commitee(name) on delete cascade on update cascade,

Primary key (prof\_name, commitee\_name)

);

Create table degree(

Id int primary key,

LD\_units int not null,

LD\_GPA varchar(10) not null,

UD\_units int not null,

UD\_GPA varchar(10) not null,

Total\_units int not null,

Total\_GPA varchar(10) not null,

Major\_GPA varchar(10) not null,

IS\_MS varchar(10) not null

);

Create table MS\_degree(

Id int references degree(id) on delete cascade on update cascade,

Concentration\_name varchar(50) not null,

Concentration\_units varchar(50) not null,

concentration\_GPA varchar(50) not null,

Primary key (id)

);

Create table degree\_course(

Degree\_id int references degree(id) on delete cascade on update cascade,

Course\_id int references course(id) on delete cascade on update cascade,

Primary key (degree\_id, course\_id)

);

Create table MS\_concentration(

MS\_id int references MS\_degree(id) on delete cascade on update cascade,

Course\_id int references course(id) on delete cascade on update cascade,

Primary key (MS\_id, course\_id)

);

Create table account(

Student\_SSN int references student(SSN) on delete cascade on update cascade,

Password varchar(100) not null,

Balance int not null,

Primary key (student\_SSN)

);