create table classroom (

building varchar(15) ,

room\_number varchar(7),

capacity decimal(4,0) ,

primary key (building ,room\_number)

);

create table department

(dept\_name

varchar(20),

building varchar(15),

budget decimal(12,2) check (budget

>

0),

primary key (dept\_name)

);

create table course (course\_id varchar(8),

title varchar(50),

dept\_name varchar(20),

credits decimal(2,0)

check (credits

>

0),

primary key (course\_id),

foreign key (dept\_name) references department(dept\_name)

on delete set null );

create table course

(course\_id

varchar(8) primary key,

title varchar(50),

dept\_name varchar(20),

credits decimal(2,0) check (credits

>

0),

foreign key (dept\_name) references department(dept\_name)

);

create table instructor

(ID

varchar(5) primary key,

name varchar(20) not null,

dept\_name varchar(20),

salary decimal(8,2) check (salary

>

29000) ,

foreign key (dept\_name) references department(dept\_name)

);

create table section

(course\_id

varchar(8) ,

sec\_id

varchar(8) ,

semester

varchar(6) check (semester in (’Fall’, ’Winter’, ’Spring’, ’Summer’)),

year

decimal(4,0) check (year

>

1701 and year

<

2100),

building varchar(15),

room\_number varchar(7),

time\_slot\_id varchar(4) ,

primary key (course\_id, sec\_id,semester,year));

create table teaches

(ID

varchar(5) ,

course\_id

varchar(8),

sec\_id

varchar(8),

semester

varchar(6),

year

decimal(4,0),

primary key (ID , course\_id, sec\_id,semester,year)

);

create table student

(ID

varchar(5) primary key ,

name varchar(20) not null,

dept\_name varchar(20),

tot\_cred decimal(3,0) check (tot\_cred>= 0)

);

create table takes

(ID

varchar(5) ,

course\_id

varchar(8),

sec\_id

varchar(8),

semester

varchar(6),

year

decimal(4,0),

grade varchar(2), primary key (ID , course\_id, sec\_id,semester,year) );

create table advisor

(s\_ID

varchar(5),

i\_ID

varchar(5),

primary key(s\_ID,i\_ID)

);

create table time\_slot

(time\_slot\_id

varchar(4),

day varchar(1),

start\_hr integer(2) check (start\_hr>= 0 and start\_hr<24),

start\_min integer(2) check (start\_min>= 0 and start\_min<60),

end\_hr integer(2) check (end\_hr>= 0 and end\_hr<24),

end\_min integer(2) check (end\_min>= 0 and end\_min<60),

primary key (time\_slot\_id,day,start\_hr,start\_min)

);

create table prereq

(course\_id

varchar(8) ,

prereq\_id

varchar(8),

primary key (course\_id,prereq\_id) );