drop table customer;

drop table discounts;

drop table storediscounts;

drop table storedepartment;

drop table restaurants;

drop table rcategory;

drop table dishes;

drop table review;

drop table cart;

drop table cartdish;

drop table order\_table;

drop table sysdish;

drop table paymentrecord;

drop table message;

drop table states;

drop table tax\_table;

create table customer

(

customerID number primary key,

Cname varchar2(50),

address varchar2(50),

zipcode number(6),

state VARCHAR2(50),

email VARCHAR2(50) unique,

credit int

);

create table discounts

(

Discountid int primary key,

Discount\_description VARCHAR2(50),

Discount\_type number(1)

);

create table storediscounts

(

storediscounts int primary key,

customerid int,

discountid int,

dstartdate date,

denddate date,

foreign key (customerid) references customer(customerid),

foreign key (discountid) references discounts(discountid)

);

create table storedepartment

(

categoryid int primary key,

categoryname VARCHAR2(50)

);

create table restaurants

(

restaurantid int PRIMARY KEY,

restaurantname varchar2(50),

raddress VARCHAR2(100),

rphonenumber VARCHAR2(100),

current\_status varchar2(10),

rzipcode int,

rstate VARCHAR2(20),

avgwaittime number(10,2),

avgreviewscore decimal(3,1)

);

alter table restaurants

add CONSTRAINT f\_rstate foreign key (rstate) references states(statename);

create table rcategory

(

rcategoryid int primary key,

restaurantid int,

category varchar2(50),

foreign key (restaurantid) references restaurants(restaurantid)

);

create table dishes

(dishid int primary key,

restaurantid int,

dishanme varchar2(50),

price decimal(10,2),

foreign key (restaurantid) references restaurants(restaurantid)

);

create table review

(

reviewid int primary key,

customerid int,

restaurantid int,

reviewdate date,

reviewscore decimal(3,1),

comments varchar2(100),

foreign key (customerid) references customer(customerid),

foreign key (restaurantid) references restaurants(restaurantid)

);

create table cart

(

cartid int primary key,

customerid int,

restaurantid int,

foreign key (customerid) references customer(customerid),

foreign key (restaurantid) references restaurants(restaurantid)

);

create table cartdish

(

cartdish int primary key,

cartid int,

dishid int,

quantity int,

foreign key (cartid) references cart(cartid),

foreign key (dishid) references dishes(dishid)

);

create table order\_table

(

orderid int primary key,

customerid int,

restaurantid int,

ordertime TIMESTAMP,

deliverytime TIMESTAMP,

estimatedtime TIMESTAMP,

order\_status varchar2(50),

payment\_status varchar2(20),

delivery\_method number(1),

totalcost decimal(10,2),

foreign key (customerid) REFERENCES customer(customerid),

foreign key (restaurantid) references restaurants(restaurantid)

);

create table sysdish

(

sysdishid int primary key,

orderid int,

dishid int,

foreign key (orderid) REFERENCES order\_table(orderid),

foreign key (dishid) REFERENCES dishes(dishid)

);

create table payments

(

paymentid int primary key,

customerid int,

paymenttime TIMESTAMP,

orderid int,

amount decimal(10,2),

paymentmethod varchar2(50),

foreign key (customerid) REFERENCES customer(customerid),

foreign key (orderid) references order\_table(orderid),

CONSTRAINT chk\_paymentmethod CHECK (paymentmethod='credit' or paymentmethod='debit' or paymentmethod='apple pay' or paymentmethod='paypal')

);

create table message

(

message\_id int primary key,

customerid int,

message\_time TIMESTAMP,

message\_body varchar2(100),

foreign key (customerid) REFERENCES customer(customerid)

);

create table states

(

statename varchar2(50) primary key

);

create table tax\_table

(

taxid int primary key,

rate decimal(3,2),

state varchar2(50),

foreign key (state) references states(statename)

);

alter table storedepartment

add restaurantid int;

alter table storedepartment

add CONSTRAINT f\_restaurantid foreign key (restaurantid) references restaurants(restaurantid);