DROP TABLE users;

CREATE TABLE users (

user\_id varchar(15) primary key,

about varchar(50),

member\_since date not null,

user\_location varchar(20) not null,

no\_of\_followers int,

user\_type varchar(6) check(user\_type in ('Buyer', 'Seller')),

items\_for\_sale int default 0

);

Insert into users values('satoshi123', null, TO\_DATE('09-10-2019', 'dd-mm-yyyy'), 'United States', 0, 'Buyer', 0);

Insert into users values('aucoin1405', null, TO\_DATE('09-08-2019', 'dd-mm-yyyy'), 'United States', 0, 'Seller', 0);

DROP TABLE personal\_account;

CREATE TABLE personal\_account (

email varchar(30) primary key,

password varchar(20) check(length(password)>6),

first\_name varchar(20) not null,

last\_name varchar(20) not null,

user\_id varchar(15),

foreign key (user\_id) references users (user\_id) on delete CASCADE

);

insert into personal\_account values('satoshinakama@gmail.com', 'Asdf123!', 'Satoshi', 'Nakama', 'satoshi123');

DROP TABLE business\_account;

CREATE TABLE business\_account (

email varchar(25) primary key,

password varchar(20) check(length(password)>6),

business\_name varchar(20) not null,

ssn char(10) not null,

bank\_name varchar(20) not null,

account\_number varchar(11) not null,

routing\_number varchar(8) not null,

user\_id varchar(15),

foreign key (user\_id) references users (user\_id) on delete CASCADE

);

insert into business\_account values('aucoinsales@gmail.com', '@Mycoins999', 'AU Coins', '3781829853', 'Chase Bank', '84627294671', '1101211', 'aucoin1405');

DROP TABLE saved\_search;

CREATE TABLE saved\_search (

user\_id varchar(15),

search\_term varchar(50),

foreign key(user\_id) references users (user\_id) on delete CASCADE,

primary key(user\_id, search\_term)

);

DROP TABLE category;

CREATE TABLE category (

category\_id char(5) primary key,

name varchar(20) not null

);

insert into category values('31277', 'Electronics');

INSERT INTO CATEGORY VALUES ('42261', 'Fashion');

DROP TABLE bid\_items;

CREATE TABLE bid\_items (

Item\_number char(12) primary key,

Title varchar(30) not null,

subtitle varchar(20),

description varchar(50),

bid\_price numeric(10,2),

condition varchar(15),

category char(5),

bid\_duration int,

bid\_count int not null,

min\_bid numeric(10,2) not null,

start\_date timestamp not null,

seller\_id varchar(15),

check(condition in('Used', 'New', 'Refurbished', 'Openbox')),

check(bid\_duration in(1,3,5,7)),

foreign key(category) references category (category\_id) on delete SET NULL,

foreign key(seller\_id) references USERS (user\_id) on delete CASCADE

);

insert into bid\_items values('372922383112', 'Chronograph Watch', 'Blue color', 'Limited Edition', 0.01, 'New', 42261, 7, 0, 0.01, TO\_DATE('25-11-2019', 'dd-mm-yyyy'), 'aucoin1405');

DROP TABLE buy\_it\_now\_items;

CREATE TABLE buy\_it\_now\_items (

Item\_number char(12) primary key,

Title varchar(30) not null,

subtitle varchar(20),

description varchar(50),

price numeric(10,2),

condition varchar(15),

category char(5),

rating numeric(2,1),

seller\_id varchar(15),

check(condition in('Used', 'New', 'Refurbished', 'Openbox')),

foreign key(category) references category (category\_id) on delete SET NULL,

foreign key(seller\_id) references USERS (user\_id) on delete CASCADE

);

insert into buy\_it\_now\_items values('372922383911', 'Iphone XS Max', NULL, 'Latest Model', 899.99, 'New', 31277, 0, 'aucoin1405');

DROP TABLE bids;

CREATE TABLE bids (

user\_id varchar(15),

item\_no char(12),

bid\_amount numeric(10,2),

bid\_time timestamp default sysdate,

foreign key(user\_id) references users (user\_id) on delete CASCADE,

foreign key(item\_no) references bid\_items (item\_number) on delete CASCADE,

primary key(user\_id, item\_no)

);

DROP TABLE order\_items;

CREATE TABLE order\_items (

order\_id char(10) primary key,

order\_total numeric(10,2),

order\_date date not null,

delivery\_date date,

buyer\_id varchar(15),

foreign key(buyer\_id) references users (user\_id) on delete CASCADE

);

insert into order\_items values('1894266565', 899.99, TO\_DATE('25-11-2019', 'dd-mm-yyyy'), TO\_DATE('02-12-2019', 'dd-mm-yyyy'), 'satoshi123');

DROP TABLE order\_contains;

CREATE TABLE order\_contains (

item\_no char(12),

order\_no char(10),

no\_of\_items int,

foreign key(item\_no) references buy\_it\_now\_items (item\_number),

foreign key(order\_no) references order\_items (order\_id),

primary key(item\_no, order\_no)

);

insert into order\_contains values('372922383911', '1894266565', 1);

DROP TABLE payment;

CREATE TABLE payment (

payment\_id char(10) primary key,

amount numeric(10,2) not null,

payment\_method varchar(20) not null,

cr\_dr\_card\_number char(16),

payment\_date date,

order\_id char(10),

seller\_id varchar(15),

foreign key(order\_id) references order\_items (order\_id) on delete CASCADE,

foreign key(seller\_id) references USERS (user\_id) on delete CASCADE

);

insert into payment values('463256346', 234.44, 'Card', '1234567890123456', TO\_DATE('25-11-2019', 'dd-mm-yyyy'), '1894266565', 'aucoin1405');

DROP TABLE feedback;

CREATE TABLE feedback (

feedback\_id char(8) primary key,

rating numeric(2,1) not null,

headline varchar(20) not null,

review varchar(50),

feedback\_date date,

buyer\_id varchar(15),

item\_no char(12),

check(rating >= 0.0 AND rating <= 5.0),

foreign key(buyer\_id) references users (user\_id) on delete CASCADE,

foreign key(item\_no) references buy\_it\_now\_items (item\_number) on delete CASCADE

);

insert into feedback values('12345678', 4.5, 'Excellent', 'Delivered on time', TO\_DATE('04-12-2019', 'dd-mm-yyyy'), 'satoshi123', '372922383911');

DROP TABLE messages;

CREATE TABLE messages (

from\_user\_id varchar(15),

to\_user\_id varchar(15),

subject varchar(50) not null,

msg\_date date not null,

foreign key(from\_user\_id) references users (user\_id) on delete CASCADE,

foreign key(to\_user\_id) references users (user\_id) on delete CASCADE

);

DROP TABLE watches;

CREATE TABLE watches (

user\_id varchar(15),

item\_no char(12),

foreign key(user\_id) references users (user\_id) on delete CASCADE,

foreign key(item\_no) references buy\_it\_now\_items (item\_number) on delete CASCADE,

foreign key(item\_no) references bid\_items (item\_number) on delete CASCADE

);

DROP TABLE bid\_items\_added\_to;

CREATE TABLE bid\_items\_added\_to (

Order\_id char(10),

item\_no char(12),

foreign key(order\_id) references order\_items (order\_id) on delete CASCADE,

foreign key(item\_no) references bid\_items (item\_number) on delete CASCADE

);