DROP TABLE auctions CASCADE CONSTRAINTS;

DROP TABLE admins CASCADE CONSTRAINTS;

DROP TABLE items CASCADE CONSTRAINTS;

DROP TABLE users CASCADE CONSTRAINTS;

DROP TABLE finance CASCADE CONSTRAINTS;

DROP TABLE shipping CASCADE CONSTRAINTS;

DROP TABLE bids CASCADE CONSTRAINTS;

DROP VIEW FirstTenUsers CASCADE CONSTRAINTS;

DROP VIEW ExpireSoon CASCADE CONSTRAINTS;

CREATE TABLE users (

user\_id INTEGER NOT NULL,

user\_name VARCHAR2(30) NOT NULL,

user\_username VARCHAR2(30) NOT NULL UNIQUE,

user\_password VARCHAR2(30) NOT NULL,

PRIMARY KEY(user\_id)

);

CREATE TABLE admins (

admin\_id INTEGER NOT NULL,

admin\_username VARCHAR2(30) NOT NULL UNIQUE,

admin\_password VARCHAR2(30) NOT NULL,

PRIMARY KEY(admin\_id)

);

CREATE TABLE items (

item\_id INTEGER NOT NULL,

item\_name VARCHAR2(30) NOT NULL,

item\_description VARCHAR2(100) NOT NULL,

item\_minBid DECIMAL(10, 2) DEFAULT 0.00 NOT NULL,

-- DATE Format: YYYY-MM-DD

item\_startDate DATE NOT NULL,

item\_endDate DATE NOT NULL,

item\_buyPrice DECIMAL(10, 2),

PRIMARY KEY(item\_id),

CHECK item\_startDate <= item\_endDate,

CHECK buyPrice > minBid

);

CREATE TABLE auctions (

auction\_id INTEGER NOT NULL,

user\_id INTEGER REFERENCES users(user\_id) NOT NULL,

item\_id INTEGER REFERENCES items(item\_id) NOT NULL,

auction\_latest DATE NOT NULL,

PRIMARY KEY(auction\_id)

);

CREATE TABLE finance (

user\_id INTEGER REFERENCES users(user\_id) NOT NULL,

finance\_number INTEGER NOT NULL,

finance\_expiry DATE NOT NULL,

finance\_address VARCHAR2(30) NOT NULL,

finance\_cvv INTEGER NOT NULL,

PRIMARY KEY(finance\_number)

);

CREATE TABLE shipping (

user\_id INTEGER REFERENCES users(user\_id) NOT NULL,

item\_id INTEGER REFERENCES items(item\_id) NOT NULL,

shipping\_receiver VARCHAR2(200) NOT NULL,

shipping\_tracking VARCHAR2(50) NOT NULL,

PRIMARY KEY(shipping\_tracking)

);

CREATE TABLE bids (

bids\_id INTEGER NOT NULL,

item\_id INTEGER REFERENCES items(item\_id) NOT NULL,

user\_id INTEGER REFERENCES users(user\_id) NOT NULL,

bids\_top DECIMAL(10, 2) NOT NULL,

PRIMARY KEY(bids\_id)

);

CREATE TABLE pastbids (

pastbids\_id INTEGER NOT NULL,

item\_id INTEGER REFERENCES items(item\_id) NOT NULL,

user\_id INTEGER REFERENCES users(user\_id) NOT NULL,

pastbid\_bidDate DATE NOT NULL,

pastbid\_bid DECIMAL(10, 2) NOT NULL,

PRIMARY\_KEY(pastbids\_id)

);

-- Insert data into admins table

INSERT INTO admins(admin\_id, admin\_username, admin\_password)

VALUES (01, 'bossBaby', 'yummyyippy');

INSERT INTO admins(admin\_id, admin\_username, admin\_password)

VALUES (02, 'workerBaby1', 'yummyyippy1');

INSERT INTO admins(admin\_id, admin\_username, admin\_password)

VALUES (03, 'workerBaby2', 'yummyyippy2');

INSERT INTO admins(admin\_id, admin\_username, admin\_password)

VALUES (04, 'workerBaby3', 'yummyyippy3');

INSERT INTO admins(admin\_id, admin\_username, admin\_password)

VALUES (05, 'managerBaby', 'yummyyippy4');

INSERT INTO admins(admin\_id, admin\_username, admin\_password)

VALUES (06, 'supervisorBaby', 'yummyyippy5');

INSERT INTO admins(admin\_id, admin\_username, admin\_password)

VALUES (07, 'adminBaby', 'yummyyippy6');

INSERT INTO admins(admin\_id, admin\_username, admin\_password)

VALUES (08, 'teamLeadBaby', 'yummyyippy7');

INSERT INTO admins(admin\_id, admin\_username, admin\_password)

VALUES (09, 'adminUser1', 'password1');

INSERT INTO admins(admin\_id, admin\_username, admin\_password)

VALUES (10, 'adminUser2', 'password2');

-- Insert data into users table

INSERT INTO users(user\_id, user\_name, user\_username, user\_password)

VALUES (001, 'fraudkuna', 'megumi', 'ilygojo');

INSERT INTO users(user\_id, user\_name, user\_username, user\_password)

VALUES (002, 'slicedjo', 'ihatejjk', 'jjkcsmb');

INSERT INTO users(user\_id, user\_name, user\_username, user\_password)

VALUES (003, 'mrg5l', 'onepieceot', 'ilyluffykun');

INSERT INTO users(user\_id, user\_name, user\_username, user\_password)

VALUES (004, 'NotIntoJujutsu', 'OnePieceSuperfan', 'ilyluffykun');

INSERT INTO users(user\_id, user\_name, user\_username, user\_password)

VALUES (005, 'JJKIndifference', 'PirateKingLover', 'ilyluffykun');

INSERT INTO users(user\_id, user\_name, user\_username, user\_password)

VALUES (006, 'UninterestedInJJK', 'StrawHatForever', 'ilyluffykun');

INSERT INTO users(user\_id, user\_name, user\_username, user\_password)

VALUES (007, 'JJKPass', 'LuffyFanatic', 'ilyluffykun');

INSERT INTO users(user\_id, user\_name, user\_username, user\_password)

VALUES (008, 'JJKOUT', 'OPAdventureSeeker', 'ilyluffykun');

INSERT INTO users(user\_id, user\_name, user\_username, user\_password)

VALUES (011, 'hello', 'Catlover', 'ilyluffykun');

-- Insert data into items table

INSERT INTO items(item\_id, item\_name, item\_description, item\_minBid, item\_startDate, item\_endDate, item\_buyPrice)

VALUES (001, 'toiletPaper', 'soft', 2.00, '2023-09-27', '2023-10-11', 2000.00);

INSERT INTO items(item\_id, item\_name, item\_description, item\_minBid, item\_startDate, item\_endDate, item\_buyPrice)

VALUES (002, 'DIO', 'Hard', 69.00, '2023-09-27', '2023-09-29', 20.00);

INSERT INTO items(item\_id, item\_name, item\_description, item\_minBid, item\_startDate, item\_endDate, item\_buyPrice)

VALUES (003, 'Bar', 'spicy', 69.00, '2023-09-27', '2023-09-30', 20.00);

INSERT INTO items(item\_id, item\_name, item\_description, item\_minBid, item\_startDate, item\_endDate, item\_buyPrice)

VALUES (004, 'Realitycuttingpizzacutter', 'scam', 69.00, '2023-09-27', '2023-10-11', 5000.00);

INSERT INTO items(item\_id, item\_name, item\_description, item\_minBid, item\_startDate, item\_endDate, item\_buyPrice)

VALUES (005, 'SpicyNUTS', 'SPICYYY', 69.00, '2023-09-27', '2023-10-30', 5000.00);

INSERT INTO items(item\_id, item\_name, item\_description, item\_minBid, item\_startDate, item\_endDate, item\_buyPrice)

VALUES (006, 'GreasyGoose', 'slimy', 69.00, '2023-09-27', '2023-10-28', 5000.00);

INSERT INTO items(item\_id, item\_name, item\_description, item\_minBid, item\_startDate, item\_endDate, item\_buyPrice)

VALUES (007, 'toiletPaper', 'papery', 4.00, '2023-09-27', '2023-10-28', 25.00);

INSERT INTO items(item\_id, item\_name, item\_description, item\_minBid, item\_startDate, item\_endDate, item\_buyPrice)

VALUES (008, 'Headphones', 'Noise-cancelling', 25.00, '2023-10-02', '2023-10-09', 100.00);

INSERT INTO items(item\_id, item\_name, item\_description, item\_minBid, item\_startDate, item\_endDate, item\_buyPrice)

VALUES (009, 'Television', '4K Ultra HD', 300.00, '2023-10-03', '2023-10-10', 1200.00);

INSERT INTO items(item\_id, item\_name, item\_description, item\_minBid, item\_startDate, item\_endDate, item\_buyPrice)

VALUES (010, 'Gaming Console', 'Next-gen gaming', 150.00, '2023-10-04', '2023-10-11', 600.00);

INSERT INTO items(item\_id, item\_name, item\_description, item\_minBid, item\_startDate, item\_endDate, item\_buyPrice)

VALUES (011, 'Cookware Set', 'Non-stick pans', 40.00, '2023-10-05', '2023-10-12', 160.00);

INSERT INTO items(item\_id, item\_name, item\_description, item\_minBid, item\_startDate, item\_endDate, item\_buyPrice)

VALUES (012, 'Fitness Tracker', 'Heart rate monitor', 20.00, '2023-10-06', '2023-10-13', 80.00);

-- Insert data into the bids table

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (001, 0001, 2000.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (002, 0002, 2500.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (003, 0003, 3500.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (004, 0004, 5500.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (005, 0005, 6500.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (006, 0005, 10000.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (007, 0007, 3000.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (008, 0008, 1100.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (009, 0009, 1400.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (010, 0010, 700.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (011, 0011, 500.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (012, 0012, 900.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (013, 0013, 1500.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (014, 0014, 750.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (015, 0015, 850.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (016, 0016, 600.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (017, 0017, 950.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (018, 0018, 550.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (019, 0019, 1200.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (020, 0020, 1800.00);

-- Insert data into the shipping table

INSERT INTO shipping(user\_id, shipping\_receiver, shipping\_tracking)

VALUES (1, '6969-UniversityAve', '92453');

INSERT INTO shipping(user\_id, shipping\_receiver, shipping\_tracking)

VALUES (2, '937-UniversityAve', '95642');

INSERT INTO shipping(user\_id, shipping\_receiver, shipping\_tracking)

VALUES (3, '4201-UniversityAve', '91593');

INSERT INTO shipping(user\_id, shipping\_receiver, shipping\_tracking)

VALUES (4, '420-UniversityAve', '95192');

INSERT INTO shipping(user\_id, shipping\_receiver, shipping\_tracking)

VALUES (5, '9876-OakLane', '78912');

INSERT INTO shipping(user\_id, shipping\_receiver, shipping\_tracking)

VALUES (6, '4567-PineRoad', '34567');

INSERT INTO shipping(user\_id, shipping\_receiver, shipping\_tracking)

VALUES (7, '7890-BirchAvenue', '89012');

INSERT INTO shipping(user\_id, shipping\_receiver, shipping\_tracking)

VALUES (8, '3456-CedarStreet', '45678');

INSERT INTO shipping(user\_id, shipping\_receiver, shipping\_tracking)

VALUES (9, '2345-HickoryDrive', '56789');

INSERT INTO shipping(user\_id, shipping\_receiver, shipping\_tracking)

VALUES (10, '6789-WillowLane', '67890');

-- Insert data into the finance table with correct date format and quotes around address

INSERT INTO finance(user\_id, finance\_number, finance\_expiry, finance\_address, finance\_cvv)

VALUES (1, 201321511231, '2023-10-17', '6969-UniversityAve', 554);

INSERT INTO finance(user\_id, finance\_number, finance\_expiry, finance\_address, finance\_cvv)

VALUES (2, 201920034589, '2023-10-19', '937-UniversityAve', 657);

INSERT INTO finance(user\_id, finance\_number, finance\_expiry, finance\_address, finance\_cvv)

VALUES (3, 201912498124, '2023-10-25', '937-UniversityAve', 212);

INSERT INTO finance(user\_id, finance\_number, finance\_expiry, finance\_address, finance\_cvv)

VALUES (4, 201509572359, '2025-09-02', '937-UniversityAve', 537);

INSERT INTO finance(user\_id, finance\_number, finance\_expiry, finance\_address, finance\_cvv)

VALUES (5, 201723654789, '2024-03-15', '1234-ElmStreet', 123);

INSERT INTO finance(user\_id, finance\_number, finance\_expiry, finance\_address, finance\_cvv)

VALUES (6, 201836472910, '2024-05-20', '5678-MapleDrive', 789);

INSERT INTO finance(user\_id, finance\_number, finance\_expiry, finance\_address, finance\_cvv)

VALUES (7, 201945678321, '2024-08-12', '9876-OakLane', 456);

INSERT INTO finance(user\_id, finance\_number, finance\_expiry, finance\_address, finance\_cvv)

VALUES (8, 202050982146, '2024-11-30', '4567-PineRoad', 890);

INSERT INTO finance(user\_id, finance\_number, finance\_expiry, finance\_address, finance\_cvv)

VALUES (9, 202165473829, '2025-02-25', '7890-BirchAvenue', 234);

INSERT INTO finance(user\_id, finance\_number, finance\_expiry, finance\_address, finance\_cvv)

VALUES (10, 202278918472, '2025-06-10', '3456-CedarStreet', 567);

-- Insert data into the auctions

INSERT INTO auctions(auction\_id, user\_id, auction\_latest, item\_id)

VALUES (001,0004, '2023-10-13', 001);

INSERT INTO auctions(auction\_id, user\_id, auction\_latest, item\_id)

VALUES (002,0005, '2023-10-14',002);

INSERT INTO auctions(auction\_id, user\_id, auction\_latest, item\_id)

VALUES (003,0006, '2023-10-15', 003);

INSERT INTO auctions(auction\_id, user\_id, auction\_latest, item\_id)

VALUES (004,0007, '2023-10-16', 004);

INSERT INTO auctions(auction\_id, user\_id, auction\_latest, item\_id)

VALUES (005,0004, '2023-10-17', 005);

INSERT INTO auctions(auction\_id, user\_id, auction\_latest, item\_id)

VALUES (006,0004, '2023-10-18',006);

INSERT INTO auctions(auction\_id, user\_id, auction\_latest, item\_id)

VALUES (007, 0005, '2023-10-19', 007);

INSERT INTO auctions(auction\_id, user\_id, auction\_latest, item\_id)

VALUES (008, 0006, '2023-10-20', 008);

INSERT INTO auctions(auction\_id, user\_id, auction\_latest, item\_id)

VALUES (009, 0007, '2023-10-21', 009);

INSERT INTO auctions(auction\_id, user\_id, auction\_latest, item\_id)

VALUES (010, 0008, '2023-10-22', 010);

-- List all of the auctions one user has put up

SELECT a.user\_id, a.item\_id, i.item\_name

FROM auctions a, users u, items i

WHERE u.user\_id = 4

AND a.user\_id = u.user\_id

AND a.item\_id = i.item\_id

ORDER BY item\_id ASC;

-- List of items that have been bid on in the past 3 days, hence the most popular.

SELECT a.item\_id, a.auction\_latest, i.item\_endDate, b.bids\_top

FROM auctions a, bids b, items i

WHERE a.auction\_latest >= SYSDATE - 4 AND a.auction\_latest <= SYSDATE

AND a.item\_id = i.item\_id

AND b.item\_id = i.item\_id

ORDER BY a.auction\_latest DESC;

-- Get the first ten user accounts created inclusive, and create a view with their id number, username, and name

CREATE VIEW FirstTenUsers (FT\_UserID, FT\_Name, FT\_Username) AS

(SELECT user\_id, user\_name, user\_username

FROM users

WHERE user\_id <= 10);

SELECT \* FROM FirstTenUsers;

-- Get the users that have a financial card that expires within 10 days.

CREATE VIEW ExpireSoon (ES\_UserID, ES\_Expiry) AS

(SELECT user\_id, finance\_expiry

FROM finance

WHERE finance\_expiry >= SYSDATE AND finance\_expiry <= SYSDATE + 10

);

SELECT \* FROM ExpireSoon;