/\*select 'drop table ' ||TABLE\_NAME|| ' cascade constraints;' from user\_tables;\*/

drop table EMPLOYEE\_T cascade constraints;

drop table STUDENTS\_T cascade constraints;

drop table POS\_T cascade constraints;

drop table HOURLOG\_T cascade constraints;

drop table COURSES\_T cascade constraints;

drop table TRANSPORTATION\_T cascade constraints;

drop table PERMITS\_T cascade constraints;

drop table FACILITIES\_T cascade constraints;

drop table VENDOR\_T cascade constraints;

drop table PRODUCTS\_T cascade constraints;

drop table RENTALS\_T cascade constraints;

drop table MERCHANDISE\_T cascade constraints;

drop table VACATION\_T cascade constraints;

drop table CERTIFICATIONS\_T cascade constraints;

drop table EQUIPMENT\_T cascade constraints;

drop table EMPLOYEE\_TRAINING\_T cascade constraints;

drop table CUSTOMERS\_T cascade constraints;

drop table ENROLLMENT\_T cascade constraints;

drop table TRIPS\_T cascade constraints;

drop table SECTIONS\_T cascade constraints;

drop table INSTRUCTOR\_T cascade constraints;

drop table CARD\_T cascade constraints;

drop table TRANSACTIONS\_T cascade constraints;

drop table TRANSPORTATION\_LOG\_T cascade constraints;

drop table EQUIPMENT\_LOG\_T cascade constraints;

drop table PERMITS\_LOG\_T CASCADE CONSTRAINTS;

DROP TABLE FACILITIES\_LOG\_T CASCADE CONSTRAINTS;

CREATE TABLE CUSTOMERS\_T

(Customer\_ID     NUMBER(10)     NOT NULL,

CustomerName    VARCHAR2(20)     NOT NULL,

PhoneNumber     varchar2(20),

Address         VARCHAR2(200),

Email            VARCHAR2(100),

CustomerSince     DATE,

CONSTRAINT CUSTOMERS\_PK PRIMARY KEY (Customer\_ID)

);

CREATE TABLE CARD\_T

(CardNumber     NUMBER(20)     NOT NULL,

Customer\_ID     NUMBER(10)     NOT NULL,

CardType  varchar(20) not null,

Exp\_Date         DATE         NOT NULL,

CONSTRAINT Card\_PK PRIMARY KEY (CardNumber),

CONSTRAINT CARD\_FK FOREIGN KEY (Customer\_ID) REFERENCES Customers\_T(Customer\_ID)

);

CREATE TABLE EMPLOYEE\_T

(Employee\_ID NUMBER(11,0) NOT NULL,

EmployeeName VARCHAR(20) NOT NULL,

Birthdate     DATE          NOT NULL,

Full\_time     varchar(1),

WageRate      NUMBER(6,2)   NOT NULL,

CONSTRAINT EMPLOYEE\_PK PRIMARY KEY (Employee\_ID)

);

CREATE TABLE STUDENTS\_T

(Student\_ID     NUMBER(10)     NOT NULL,

StudentName     VARCHAR(20)     NOT NULL,

Birthdate     DATE     NOT NULL,

Major         VARCHAR(20)     NOT NULL,

Address         VARCHAR(100)     NOT NULL,

CONSTRAINT STUDENTS\_PK PRIMARY KEY (Student\_ID));

CREATE TABLE POS\_T

(StationID       NUMBER(10)     NOT NULL,

Station\_Location varchar(40)    NOT NULL,

Address Varchar(50) not null,

PhoneNumber      NUMBER(15)      NOT NULL,

CONSTRAINT POS\_T PRIMARY KEY (StationID)

);

CREATE TABLE HOURLOG\_T

(Employee\_ID     NUMBER(10)     NOT NULL,

WorkDate         DATE         NOT NULL,

PayType         VARCHAR(6)     NOT NULL,

HoursWorked     NUMBER(2)     NOT NULL,

StationID     NUMBER(10)     NOT NULL,

CONSTRAINT HOURLOG\_FK FOREIGN KEY (Employee\_ID) REFERENCES EMPLOYEE\_T(Employee\_ID),

CONSTRAINT HOURLOG\_FK1 FOREIGN KEY (StationID) REFERENCES POS\_T(StationID)

);

CREATE TABLE COURSES\_T

(CourseID          VARCHAR(10)     NOT NULL,

COURSENAME     VARCHAR(20)     NOT NULL,

UNITS    VARCHAR(20)     NOT NULL,

PRICE VARCHAR(20) NOT NULL,

CONSTRAINT COURSE\_PK PRIMARY KEY (CourseID)

);

CREATE TABLE TRANSPORTATION\_T

(Car\_ID         NUMBER(10)     NOT NULL,

CarType         VARCHAR(20)     NOT NULL,

Make         VARCHAR(20)     NOT NULL,

Car\_Model         VARCHAR(20)     NOT NULL,

Car\_year         NUMBER(4)     NOT NULL,

Color         VARCHAR(10),

LicenseNumber    VARCHAR(10)     NOT NULL,

CONSTRAINT TRANSPORTATION\_PK PRIMARY KEY (Car\_ID)

);

CREATE TABLE PERMITS\_T

(Permit\_ID     NUMBER(10)     NOT NULL,

ParkName     VARCHAR(50)     NOT NULL,

PermitCost     NUMBER(20)     NOT NULL,

PermitDuration     DATE         NOT NULL,

CONSTRAINT PERMITS\_PK PRIMARY KEY (Permit\_ID)

);

CREATE TABLE FACILITIES\_T

(Facility\_ID     NUMBER(10)     NOT NULL,

FacilityName     VARCHAR(50)     NOT NULL,

FacilityLocation    VARCHAR(20)     NOT NULL,

CONSTRAINT FACILITIES\_PK PRIMARY KEY (Facility\_ID));

CREATE TABLE VENDOR\_T

(VendorID           NUMBER(10)     NOT NULL,

VendorName           VARCHAR(25)     NOT NULL,

Vendor\_Category     VARCHAR(25)     NOT NULL,

CategoryDescription VARCHAR(150),

CONSTRAINT VENDOR\_PK PRIMARY KEY (VendorID)

);

CREATE TABLE PRODUCTS\_T

(Product\_ID        NUMBER(10)   NOT NULL,

VendorID          NUMBER(10)    NOT NULL,

WholesaleCost     NUMBER(8)     NOT NULL,

CatalogPrice      NUMBER(8)     NOT NULL,

Description       VARCHAR(100)  NOT NULL,

ProductType       VARCHAR(50)     NOT NULL,

CONSTRAINT PRODUCTS\_PK PRIMARY KEY (Product\_ID),

CONSTRAINT PRODUCTS\_FK FOREIGN KEY (VendorID) REFERENCES VENDOR\_T(VendorID)

);

CREATE TABLE RENTALS\_T

(Rental\_ID     NUMBER(10)    NOT NULL,

RentalName     VARCHAR(20)   NOT NULL,

RentalDate     DATE       NOT NULL,

DateReturned   DATE,

Returned VARCHAR(1) not null,

CONSTRAINT RENTALS\_PK FOREIGN KEY (Rental\_ID) REFERENCES PRODUCTS\_T(PRODUCT\_ID)

);

CREATE TABLE MERCHANDISE\_T

(MerchandiseID     NUMBER(10)   NOT NULL,

MerchandiseName varchar(50)         NOT NULL,

CONSTRAINT MERCHANDISE\_FK FOREIGN KEY (MerchandiseID) REFERENCES PRODUCTS\_T(Product\_ID)

);

CREATE TABLE VACATION\_T

(Vacation\_ID     NUMBER(10)     NOT NULL,

TripDate         DATE           NOT NULL,

TripLocation     varchar(40)    NOT NULL,

CONSTRAINT VACATION\_FK FOREIGN KEY (Vacation\_ID) REFERENCES PRODUCTS\_T(Product\_ID)

);

CREATE TABLE CERTIFICATIONS\_T

(Training\_ID      NUMBER(10)      NOT NULL,

Certification\_Name VARCHAR(20),

Requirements       VARCHAR(20),

CONSTRAINT CERTIFICATIONS\_PK Primary KEY (Training\_ID)

);

CREATE TABLE EQUIPMENT\_T

(EquipmentID     NUMBER(10)     NOT NULL,

EquipmentName     varchar(50)     NOT NULL,

Color varchar(20),

Brand varchar(20),

CONSTRAINT EQUIPMENT\_PK PRIMARY KEY (EquipmentID)

);

CREATE TABLE EMPLOYEE\_TRAINING\_T

(Employee\_ID     NUMBER(10)       NOT NULL,

Training\_ID       NUMBER(10)      NOT NULL,

DateCompleted     DATE,

CONSTRAINT EMPLOYEE\_TRAINING\_FK1 FOREIGN KEY (Employee\_ID) REFERENCES EMPLOYEE\_T(Employee\_ID),

CONSTRAINT EMPLOYEE\_TRAINING\_FK2 FOREIGN KEY (Training\_ID) REFERENCES CERTIFICATIONS\_T(Training\_ID));

CREATE TABLE TRANSACTIONS\_T

(TransactionID     NUMBER(10)     NOT NULL,

TransactionDate     DATE  NOT NULL,

Customer\_ID     NUMBER(10)     NOT NULL,

StationID     NUMBER(10)     NOT NULL,

Product\_ID     NUMBER(10)     NOT NULL,

CONSTRAINT TRANSACTIONS\_PK PRIMARY KEY (TransactionID),

CONSTRAINT TRANSACTIONS\_FK1 FOREIGN KEY (StationID) REFERENCES pos\_T(StationID),

CONSTRAINT TRANSACTIONS\_FK2 FOREIGN KEY (Product\_ID) REFERENCES PRODUCTS\_T(PRODUCT\_ID),

CONSTRAINT TRANSACTIONS\_FK3 FOREIGN KEY (customer\_ID) REFERENCES Customers\_T(customer\_ID)

);

CREATE TABLE ENROLLMENT\_T

(Student\_ID     NUMBER(10)     NOT NULL,

CourseID     VARCHAR(25)     NOT NULL,

Grade         VARCHAR(2),

Attendance     VARCHAR(20),

Semester  Varchar(20),

CONSTRAINT ENROLLMENT\_FK1 FOREIGN KEY (Student\_ID) REFERENCES STUDENTS\_T(Student\_ID),

CONSTRAINT ENROLLMENT\_FK2 FOREIGN KEY (CourseID) REFERENCES COURSES\_T(CourseID)

);

CREATE TABLE TRIPS\_T

(TripID     VARCHAR(10)         NOT NULL,

TripDate  DATE  NOT NULL,

Destination     VARCHAR(40)     NOT NULL,

CONSTRAINT TRIPS\_PK PRIMARY KEY (TripID)

);

CREATE TABLE SECTIONS\_T

(Section\_ID     NUMBER(10)     NOT NULL,

CourseID     VARCHAR(20)     NOT NULL,

Room\_Number  VARCHAR(20),

TripID  Varchar(20) not null,

CONSTRAINT SECTIONS\_PK PRIMARY KEY (Section\_ID),

CONSTRAINT SECTIONS\_FK1 FOREIGN KEY (CourseID) REFERENCES COURSES\_T(CourseID),

CONSTRAINT SECTIONS\_FK2 FOREIGN KEY (TripID) REFERENCES TRIPS\_T(TripID)

);

CREATE TABLE INSTRUCTOR\_T

(Section\_ID     VARCHAR(20)     NOT NULL,

Employee\_ID     NUMBER(20)     NOT NULL,

InstructorName     VARCHAR(25)     NOT NULL,

CONSTRAINT INSTRUCTOR\_PK PRIMARY KEY (Section\_ID),

CONSTRAINT INSTRUCTOR\_FK FOREIGN KEY (Employee\_ID) REFERENCES EMPLOYEE\_T(Employee\_ID)

);

CREATE TABLE TRANSPORTATION\_LOG\_T

(TripID  Varchar(20) not null,

Car\_ID         NUMBER(10)     NOT NULL,

CONSTRAINT TRANSPORTATION\_LOG\_FK1 FOREIGN KEY (TRIPID) REFERENCES TRIPS\_T(TRIPID),

CONSTRAINT TRANSPORTATION\_LOG\_FK2 FOREIGN KEY (CAR\_ID) REFERENCES TRANSPORTATION\_T(CAR\_ID)

);

CREATE TABLE EQUIPMENT\_LOG\_T

(TripID  Varchar(20) not null,

EquipmentID     NUMBER(10)     NOT NULL,

CONSTRAINT EQUIPMENT\_LOG\_FK1 FOREIGN KEY (TRIPID) REFERENCES TRIPS\_T(TRIPID),

CONSTRAINT EQUIPMENT\_LOG\_FK2 FOREIGN KEY (EQUIPMENTID) REFERENCES EQUIPMENT\_T(EQUIPMENTID)

);

CREATE TABLE PERMITS\_LOG\_T

(TripID  Varchar(20) not null,

Permit\_ID     NUMBER(10)     NOT NULL,

CONSTRAINT PERMITS\_LOG\_FK1 FOREIGN KEY (TRIPID) REFERENCES TRIPS\_T(TRIPID),

CONSTRAINT PERMITS\_LOG\_FK2 FOREIGN KEY (PERMIT\_ID) REFERENCES PERMITS\_T(PERMIT\_ID)

);

CREATE TABLE FACILITIES\_LOG\_T

(TripID  Varchar(20) not null,

Facility\_ID     NUMBER(10)     NOT NULL,

CONSTRAINT FACILITIES\_LOG\_FK1 FOREIGN KEY (TRIPID) REFERENCES TRIPS\_T(TRIPID),

CONSTRAINT FACILITIES\_LOG\_FK2 FOREIGN KEY (FACILITY\_ID) REFERENCES FACILITIES\_T(FACILITY\_ID)

);